

**Annual Summary of the Commercial, Subsistence
and Personal Use Salmon Fisheries and Salmon
Escapements in the Alaska Peninsula, Aleutian
Islands, and Atka-Amlia Islands Management Areas,
2004.**

by

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and

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May 2005

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

Weights and measures (metric)		General		Measures (fisheries)	
centimeter	cm	Alaska Administrative		fork length	FL
deciliter	dL	Code	AAC	mid-eye-to-fork	MEF
gram	g	all commonly accepted		mid-eye-to-tail-fork	METF
hectare	ha	abbreviations	e.g., Mr., Mrs., AM, PM, etc.	standard length	SL
kilogram	kg			total length	TL
kilometer	km	all commonly accepted			
liter	L	professional titles	e.g., Dr., Ph.D., R.N., etc.	Mathematics, statistics	
meter	m			<i>all standard mathematical</i>	
milliliter	mL	at	@	<i>signs, symbols and</i>	
millimeter	mm	compass directions:		<i>abbreviations</i>	
		east	E	alternate hypothesis	H _A
		north	N	base of natural logarithm	<i>e</i>
		south	S	catch per unit effort	CPUE
		west	W	coefficient of variation	CV
		copyright	©	common test statistics	(F, t, χ^2 , etc.)
		corporate suffixes:		confidence interval	CI
		Company	Co.	correlation coefficient	
		Corporation	Corp.	(multiple)	R
		Incorporated	Inc.	correlation coefficient	
		Limited	Ltd.	(simple)	r
		District of Columbia	D.C.	covariance	cov
		et alii (and others)	et al.	degree (angular)	°
		et cetera (and so forth)	etc.	degrees of freedom	df
		exempli gratia		expected value	<i>E</i>
		(for example)	e.g.	greater than	>
		Federal Information		greater than or equal to	≥
		Code	FIC	harvest per unit effort	HPUE
		id est (that is)	i.e.	less than	<
		latitude or longitude	lat. or long.	less than or equal to	≤
		monetary symbols		logarithm (natural)	ln
		(U.S.)	\$, ¢	logarithm (base 10)	log
		months (tables and		logarithm (specify base)	log ₂ , etc.
		figures): first three		minute (angular)	'
		letters	Jan,...,Dec	not significant	NS
		registered trademark	®	null hypothesis	H ₀
		trademark	™	percent	%
		United States		probability	P
		(adjective)	U.S.	probability of a type I error	
		United States of		(rejection of the null	
		America (noun)	USA	hypothesis when true)	α
		U.S.C.	United States	probability of a type II error	
			Code	(acceptance of the null	
		U.S. state	use two-letter	hypothesis when false)	β
			abbreviations	second (angular)	"
			(e.g., AK, WA)	standard deviation	SD
				standard error	SE
				variance	
				population	Var
				sample	var
Weights and measures (English)					
cubic feet per second	ft ³ /s				
foot	ft				
gallon	gal				
inch	in				
mile	mi				
nautical mile	nmi				
ounce	oz				
pound	lb				
quart	qt				
yard	yd				
Time and temperature					
day	d				
degrees Celsius	°C				
degrees Fahrenheit	°F				
degrees kelvin	K				
hour	h				
minute	min				
second	s				
Physics and chemistry					
all atomic symbols					
alternating current	AC				
ampere	A				
calorie	cal				
direct current	DC				
hertz	Hz				
horsepower	hp				
hydrogen ion activity	pH				
(negative log of)					
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

FISHERY MANAGEMENT REPORT NO. 05-33

**ANNUAL SUMMARY OF THE COMMERCIAL, SUBSISTENCE AND
PERSONAL USE SALMON FISHERIES AND SALMON ESCAPEMENTS
IN THE ALASKA PENINSULA, ALEUTIAN ISLANDS, AND
ATKA-AMLIA ISLANDS MANAGEMENT AREAS, 2004**

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ABSTRACT

This report summarizes the 2004 season and historical information concerning management of subsistence and commercial salmon fisheries of the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas. The 2004 commercial salmon harvest in the Alaska Peninsula Area consisted of 17,452 Chinook *Oncorhynchus tshawytscha*, 4,633,722 sockeye *O. nerka*, 269,520 coho *O. kisutch*, 6,681,659 pink *O. gorbuscha*, and 805,066 chum salmon *O. keta* for a total of 12,407,419 salmon. No commercial salmon fishery occurred in the Aleutian Islands or Atka-Amlia Islands Areas during 2004. The total exvessel value of the 2004 Alaska Peninsula commercial salmon fishery was approximately \$16,277,546. The units of gear participating in 2004 consisted of 42 seine, 117 Area M drift gillnet, and 86 Area M set gillnet. The number of Area T drift gillnet permit holders that participated was confidential.

A total of 146 Alaska Peninsula Area subsistence salmon permits were issued in 2004. The total Alaska Peninsula Area subsistence salmon harvest was estimated to be approximately 205 Chinook, 8,903 sockeye, 3,680 coho, 632 pink, and 820 chum salmon for a total of 14,240 salmon. A total of 209 Unalaska District subsistence salmon permits were issued in 2004. The total Unalaska District subsistence salmon harvest was estimated to be approximately 4 Chinook, 4,373 sockeye, 792 coho, 343 pink, and 26 chum salmon for a total of 5,538 fish. The 2004 Adak subsistence salmon harvest was estimated to be 336 sockeye salmon. In 2004 no other salmon species were reported harvested while the previous six-year average subsistence harvest of other species was 24 fish. Subsistence salmon data is not available for 2004 in the Atka-Amlia Islands, Umnak, Akutan, and Pribilof Islands Districts, because permits are not required for those locations.

The estimated salmon escapements in the Alaska Peninsula Area in 2004 were 30,874 Chinook, 1,654,688 sockeye, at least 652,200 coho, 8,433,310 pink and 1,167,350 chum salmon. The estimated 2004 North Peninsula Chinook salmon escapement of 30,874 fish was well above the 1994-2003 average indexed escapement of 18,649 fish. The 2004 North Peninsula sockeye salmon escapement of 1,433,827 fish was far above the 1994-2003 average indexed escapement of 979,635 fish with objectives and goals being met or surpassed in all systems except for Sandy River. North Peninsula coho salmon escapements were strong with 519,400 fish counted in 35 systems. The North Peninsula is not normally a strong pink salmon producer, but an indexed escapement of 122,00 fish occurred in 2004. The 2004 pink salmon escapement in Bechevin Bay, the only North Peninsula location with a goal, was 84,300 fish and above the minimum goal of 31,000 fish. The North Peninsula chum salmon harvest was 434,950 fish and within the escapement goal range. The estimated 2004 South Peninsula sockeye salmon escapement of 220,861 fish was the highest on record. South Peninsula coho salmon escapements were strong with 132,800 fish documented in 66 streams. The estimated South Peninsula pink salmon escapement of 8,311,410 fish was a new record high and far above the odd-numbered escapement goal range. South Peninsula chum salmon escapement was 732,400 fish and within the escapement goal range. Limited information indicated that the Aleutian Islands pink salmon escapement was strong for an even-numbered year. The Aleutian Islands Area chum salmon runs are very small and there is no data for 2004. Based on very limited data, Aleutian Islands Area sockeye salmon escapements were strong.

Key words: Aleutian Islands, Atka-Amlia Islands, Alaska Peninsula, Area M, commercial salmon fishery, subsistence salmon fishery, personal use salmon fishery

INTRODUCTION

The Alaska Peninsula and Aleutian Islands Management Areas (collectively referred to as Area M) and the Atka-Amlia Management Area (Area F) are divided into four subareas: (1) the North Peninsula, consisting of Bering Sea waters extending west from Cape Menshikof to Cape Sarichef on Unimak Island; (2) the South Peninsula, consisting of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island; (3) the Aleutian Islands, (5 AAC 12.100) consisting of the Bering Sea and Pacific Ocean waters of the Pribilof Islands and the Aleutian Islands west of Unimak Island and exclusive of the Atka-Amlia Management Area; and (4) the Atka-Amlia Management Area (5 AAC 11.101), consisting of Bering Sea and Pacific Ocean waters extending west of Seguam Pass (172°50.00' W long.) and east of Atka Pass (175°23' W long.; Figure 1). The Alaska Peninsula Area is described in regulation under 5 AAC 09.100. Five species

of Pacific salmon are harvested in the Alaska Peninsula Management Area: Chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, and chum salmon *O. keta*.

There are three seasonally staffed Alaska Department of Fish and Game (ADF&G) offices in the Alaska Peninsula Management Area located in Sand Point, Cold Bay, and Port Moller. In 1990, the Sand Point staff assumed responsibility for managing salmon in the Southeastern District. In 1992, the Port Moller staff assumed responsibility for managing salmon in the Herendeen-Moller Bay, Port Moller Bight, Bear River, Three Hills, and Ilnik Sections. In 2004, the Port Moller staff assumed responsibility for managing salmon in the Inner Port Heiden Section. The balance of the Alaska Peninsula and Aleutian Islands Management Areas salmon fisheries are managed by staff in Cold Bay with assistance from the Dutch Harbor office.

To aid in annual salmon harvest and escapement reporting, the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas were divided into four regions of reporting responsibility. This report will serve as the salmon commercial, subsistence, and personal use report for the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas. Further details of commercial harvests and escapements can be found in the following reports: 1) North Alaska Peninsula Commercial Salmon Annual Management Report, 2004 (Murphy et al. *in press*), 2) South Peninsula Commercial Salmon Annual Management Report, 2004 (Burkey et al. *in press*) and, 3) Aleutian Islands and Atka-Amlia Islands Management Areas Annual Salmon Management Report, 2004 (Shaul and Dinnocenzo *in press*). Appendices of this report contain reference information including exvessel value information (Appendix A), harvest information (Appendix B), subsistence information (Appendix C), escapement information (Appendix D), regulations (Appendix E), method for estimating indexed total escapement (Appendix F), and a personnel list (Appendix G). A separate report (Foster and Murphy *in press*) provides estimated 2004 catch and escapement age, sex, and length data. Weir data collected on the Alaska Peninsula, the Aleutian Islands and Chignik Areas comparing 2004 with the most recent 10 years of salmon escapements can be found in Duesterloh (*in press*).

COMMERCIAL FISHERIES

A list of commercial salmon statistical areas is provided in Appendix A1 for reference to the statistical maps or the electronic database.

Legal salmon gear types allowed in the Alaska Peninsula Management Area include seine, drift gillnet, and set gillnet (5 AAC 09.330). There are portions of the Alaska Peninsula Management Area that are closed to one or two of the three gear types. Seining is the only legal commercial fishing method for salmon in the Aleutian Islands Management Area (5 AAC 12.330).

In 1991, the Alaska Board of Fisheries (BOF), created an open-to-entry set gillnet salmon fishery around Atka and Amlia Islands. Area M salmon seine permit holders may still seine for salmon in the Atka-Amlia Islands Area (5 AAC 11.333).

The Cinder River and Inner Port Heiden Sections and Ilnik Lagoon (part of the Ilnik Section) of the Alaska Peninsula Area comprise an overlap area where both Alaska Peninsula Area (Area M) and Bristol Bay (Area T) permit holders are allowed to fish (5 AAC 39.120(d)). Area M permit holders are allowed to fish at anytime during open fishing periods in the overlap area. Area T permit holders may fish during open fishing periods from January 1 through June 30 and August 1 through

December 31 in the Cinder River and Inner Port Heiden Sections. Area T fishermen may fish in Ilnik Lagoon during open fishing periods from August 1 through December 31.

Commercial salmon fisheries in the Alaska Peninsula Management Area date back to at least 1882 when canneries were reportedly constructed on the South Peninsula at Orzinski (Orzenoi) Bay and Thin Point Cove (Freeburn 1976). However, the earliest catch records for the Alaska Peninsula Management Area date back to 1906 (Figures 2-6; Appendix B1). The first commercial salmon catches recorded in the Aleutian Islands Management Area occurred in 1911. Early catches in the Alaska Peninsula were predominantly sockeye salmon with a few Chinook and coho salmon. Both pink and chum salmon harvests exceeded 500,000 for the first time in 1916.

Salmon harvested in the South Unimak and Shumagin Islands June fisheries include stocks migrating to a wide range of locations, including Bristol Bay and the Arctic-Yukon-Kuskokwim (A-Y-K) regions (5 AAC 09.365). The Southeastern District Mainland is primarily managed on the basis of the Chignik River sockeye salmon run prior to July 26 (5 AAC 09.360; Appendix E1). The balance of the fisheries are managed on the basis of local run strength and escapements.

In 2004, four companies purchased salmon (Appendix A2) with an estimated salmon harvest value (exvessel) of \$16,277,546 (Appendix A3). This was the fourth lowest exvessel value since 1979 and was 65 percent of the average value from 1996-2000 (Appendix A.4). However, the 2004 exvessel value represented an increase from the exvessel values in 2001 through 2003. The South Unimak and Shumagin Islands June fisheries were worth \$4,197,890 or 26 percent of the entire Area M earnings in 2004 (Appendix A3). The North Peninsula's exvessel value was \$7,484,244 or 46 percent of the total Alaska Peninsula Management Area earnings (Appendix A3). The remainder of the commercial salmon harvest exvessel value came from the Post-June and Southeastern District Mainland (SEDM) fisheries.

The average annual exvessel value of the fishery (Area M permit holder's harvest only) declined from \$46,477,921 during 1991 through 1995 to \$25,077,089 during 1996 through 2000 and further declined to an average exvessel value of \$8,714,163 during 2001 through 2003 (Appendix A4). Weak markets were the major reason for the decline in value. Chinook and pink salmon prices were slightly higher in 2004 than in 2003 while sockeye, coho, and chum salmon prices were the same (Appendix A5). The price of salmon declined substantially between the periods of 1979-1995 and 1996-2000. In 2001 through 2004, the exvessel prices for all species, except chum salmon, declined from the period of 1996-2000.

The average weights and approximate exvessel prices of salmon from 1979 through 2004 are listed in Appendix A5. The average weights of commercially caught salmon vary from year to year but show no apparent trend over time.

In 2004, 42 of the 122 available seine, 117 of 161 available Area M drift gillnet, and 86 of 115 available set gillnet Area M permit holders fished (Appendix A6). Seine effort decreased slightly and drift gillnet effort increased slightly from 2003 while set gillnet effort remained similar to the previous year. In addition to Area M permit holders, a confidential number of Area T drift gillnet permit holders made at least one delivery during the year (Appendix A7). The continued low fishery participation rates by all gear types was a result of poor market conditions.

The 1994-2003 average commercial salmon harvest, by species, in the Alaska Peninsula and Aleutian Islands Management Areas was 11,292,514 salmon, composed of 13,314 Chinook, 3,667,361 sockeye, 305,755 coho, 6,199,662 pink, and 1,106,421 chum salmon (Appendix B1). In 2004, the Alaska Peninsula Area commercial harvest (excluding test fish harvests) was 17,452

Chinook, 4,633,722 sockeye, 269,520 coho, 6,681,659 pink, and 805,066 chum salmon for a total of 12,407,419 fish (Appendix B1 and B2). In 2004, the harvest of all species except coho and chum salmon was above the previous 10-year average (Appendix B1). The harvest of all species combined was 10 percent above of the previous 10-year average. Chinook, sockeye, coho, pink, and chum salmon harvests were 31 percent above, 26 percent above, 12 percent below, 8 percent above, and 27 percent below of their respective previous 10-year averages.

During 2004, in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas combined, seine fishermen harvested 26 percent of the Chinook, 14 percent of the sockeye, 41 percent of the coho, 90 percent of the pink, and 71 percent of the chum salmon. Drift gillnet fishermen harvested 55 percent of the Chinook, 58 percent of the sockeye, 27 percent of the coho, 1 percent of the pink, and 19 percent of the chum salmon. Set gillnet fishermen harvested 19 percent of the Chinook, 28 percent of the sockeye, 32 percent of the coho, 9 percent of the pink, and 10 percent of the chum salmon.

ESCAPEMENT

There are approximately 307 salmon spawning streams (including tributaries of some large systems) within the Alaska Peninsula Management Area (McCullough 2001). The South Peninsula has about 224 salmon systems with sockeye salmon documented in 37, pink salmon in 204 and chum salmon in 136 systems. A total of approximately 82 coho salmon producing systems have been documented in the South Peninsula, however, there are likely more. Many streams have never been surveyed when coho salmon are expected to be present due to financial cost and poor fall survey conditions. The North Peninsula, has about 83 salmon producing systems with Chinook present in 21, sockeye in 55, and pink salmon in at least 39 systems (McCullough 2001). Chum salmon are present in about 73 streams. Coho salmon have been identified in approximately 50 systems, but there are likely more.

In the Aleutian Islands and Atka-Amlia Islands Management Areas, there are at least 335 salmon systems, with sockeye present in about 45, pink salmon in 319, chum salmon in 11, and coho salmon in at least 35 systems (Murphy 1992).

Most salmon escapement estimates were derived from aerial surveys; although a few sockeye salmon systems were monitored with weirs. In 2004, five salmon weirs are operated by ADF&G in the Alaska Peninsula Management Area: Orzinski, Ilnik, Bear, Nelson, and Sandy Rivers (Deusterloh *in press*). In addition, during 2004, the U.S. Fish and Wildlife Service (FWS) operated weirs at McLees Lake on Unalaska Island, and at Mortensen's Lagoon near Cold Bay. This was the fourth year of operation for the McLees Lake and Mortensen's Lagoon weirs. The FWS operated a weir approximately 100 yards below the Frosty Creek Bridge in 2000 and near the Frosty Creek mouth in 2001 and 2002 (Watchers 2003).

ADF&G has operated Orzinski (Orzenoi) and Ilnik weirs since 1990. Orzinski was also weired during 1929-1941. Because the Orzinski Lake sockeye salmon run is important in determining fishing time for the Northwest Stepovak Section, and due to the difficulties involved with estimating fish from the air, ADF&G reinstated a weir in 1990.

A tripod weir was installed at Ilnik in 1990 due to frequent poor conditions for estimating salmon abundance from the air, and the importance of determining fishing periods for both the Ilnik Lagoon fishery (predominantly set gillnet gear) and the Ilnik Section outside the Lagoon (predominantly drift gillnet gear). However, the 500-foot long Ilnik weir was difficult to install and maintain.

ADF&G personnel encountered many problems in maintaining a fish tight weir in 1990 and did not obtain good escapement data. In 1991, the Ilnik weir was modified, and during 1991-1995 escapement counts and samples were obtained, but with much difficulty. In 1996, floating weir panels attached to a heavy chain replaced the tripod weir. The floating panel weir worked much better at Ilnik than the old tripod weir and provided more reliable data.

In 1994, a weir was installed at Thin Point Lake for the first time. Due to a reduction in operating funds, the weir was discontinued after the 1998 season.

A weir was operated at the Morzhovoi Lake outlet terminus (head of Middle Lagoon at Morzhovoi Bay) during 1926 through 1935, excluding 1933. The weir was easy to install and operate due to the small size of the outlet stream. However, because of the long delay of sockeye salmon reaching this weir, it was not effective for inseason management. With considerable difficulty, a weir was successfully operated in Middle Lagoon during 1996. The weir location was approximately half way up Middle Lagoon and was a better site for effective inseason management. However, in addition to its large size, the weir was subject to storm tides and large accumulations of debris. Sockeye salmon were often reluctant to pass through the weir due to the low flow of fresh water and the considerable length of time sockeye salmon naturally spend in the upper lagoon before entering Morzhovoi Lake. Because of these difficulties, and lack of funds, the weir was not operated after 1996.

A weir was first operated on the Bear River during the 1929 through 1932 seasons. This weir was placed immediately above the mouth of the Milky River (locally called the Mad Sow). This weir was logistically difficult to construct and supply, and was not operated long enough to estimate the total sockeye salmon escapement based on our current knowledge of the salmon runs. From 1933 through 1952 no salmon counting structure was operated at Bear River. From 1953 through 1960 a weir was operated near the current weir location, close to the lake outlet. From 1961 through 1985, a counting tower replaced the weir. Since 1986, a weir has again been used to enumerate Bear River sockeye salmon near the outlet of the lake.

A counting tower was used to enumerate salmon on the Nelson (Sapsuk) River during the 1962 through 1988 seasons. In 1989, the tower was replaced with a floating weir, which is still in use.

A counting tower was operated on the Sandy River, at the current weir site, during the 1962 through 1964 seasons. After 1964, the Sandy River tower project was abandoned due to budget cuts and the fact that the river was often too muddy to count fish from a tower. In 1994, a tripod weir was installed near the old Sandy River tower site, and has been operated every summer since. In 2002, the weir was moved approximately one mile downstream.

In 1998 through 2001, a weir was operated at the outlet of Summer Bay Lake on Unalaska Island in the Aleutian Islands Area to study the impact of the *M/V Kuroshima* (freighter) oil spill (McCullough and Bouwens *in press*). The salmon runs at Summer Bay Lake are relatively small compared to other Alaska Peninsula Area systems with weirs.

Aerial surveys are used to index escapement on non-weired systems and to monitor historical trends in annual escapements (Appendix F1). Indexed escapement estimates using this methodology are presented in Appendix D1. Escapement data are mostly limited to Alaska Peninsula Chinook, sockeye, pink, and chum salmon. Coho salmon are not monitored in many streams due to the difficulty and expense of conducting surveys during the fall. Most escapement estimates in the text are indexed totals from aerial surveys except for tower or weir counts on the: Bear River and Nelson River (sockeye salmon) in 1962-2004, Nelson River (Chinook and chum salmon) in 1962-1985,

Orzinski River (sockeye salmon) in 1990-2004, Ilnik River (sockeye salmon) in 1991-2004, Sandy River (sockeye salmon) in 1994-2000 and 2002-2004, Thin Point Cove (sockeye salmon) in 1994-1998, and Middle Lagoon (sockeye salmon) in 1996. The indexed totals are likely lower than the actual total escapement. There are differences after 1984 between escapement figures used in area management reports and those in some formally published reports (technical data reports, bulletins, etc.) due to the use of different methods to estimate total escapement. Chinook, sockeye, pink, and chum salmon indexed total escapements from 1962 through 2004 are depicted in Figures 7-10.

The 1994-2003 average indexed total escapement by species in the Alaska Peninsula Area was 18,649 Chinook, 1,102,744 sockeye, 4,409,426 pink, and 1,280,317 chum salmon (Appendix D1). In 2004 the indexed total Chinook salmon escapement of 30,874 fish was above the previous 10-year average (Figure 7, Appendix D1). The 2004 indexed total sockeye salmon escapement of 1,654,688 fish was above the previous 10-year average (Figure 8, Appendix D1). All major sockeye salmon stocks with the exception of the Sandy River achieved or exceeded escapement goals. The 2004 indexed total pink salmon escapement of 8,433,410 fish was the highest on record, above the 1994-2003 average of 4,409,426 fish (Figure 9; Appendix D1) and also above the even-year maximum escapement goal of 3,795,700 fish (Nelson et. al. *in press*). The 2004 indexed total chum salmon escapement of approximately 1,167,350 fish was slightly above the 550,000 to 1,115,000 goal range (Figure 10; Nelson et.al. *in press*) but below the previous 10-year average (Appendix D1). Coho salmon escapement data were incomplete due to the difficulties and expense of conducting fall surveys. However 132,800 coho salmon were documented in 66 South Peninsula streams and 519,400 coho salmon were documented in 35 North Peninsula streams. Due to cost, logistics, and low availability of suitable aircraft, complete escapement data are not available in the Aleutian Islands and Atka-Amlia Islands Areas. For further detailed escapement information including age, length, and sex refer to the Alaska Peninsula Management Area Salmon Escapement and Catch Sampling Results, 2004 (Foster and Murphy *in press*).

SUBSISTENCE AND PERSONAL USE FISHERIES

The Alaska Peninsula, Aleutian Islands, and Pribilof Islands communities of Sand Point, King Cove, Cold Bay, False Pass, Nelson Lagoon, Port Heiden, Akutan, Atka, Adak, Unalaska, Nikolski, St. George, and St. Paul use local resources for subsistence. Salmon subsistence permits are issued to residents in some of these areas through the ADF&G offices in Sand Point, Cold Bay, Port Moller, and Dutch Harbor. Information from returned permits is used to extrapolate catches for all permits issued. There are probably many fish kept from commercial catches for personal use that are not reported on fish tickets or on subsistence permits. There is no expansion of fish tickets or the returned permits to account for these salmon. Subsistence permits are not required in the Akutan, Umnak, Pribilof Islands, and Atka-Amlia Districts; consequently no catch estimates are available for the communities of Akutan, Nikolski, Atka, St. George, and St. Paul. The Atka-Amlia Islands Area as defined in the commercial fishing regulations, is a district of the Aleutian Islands Area in the subsistence fishing regulations. From 1988 through 1997, subsistence salmon fishing was not allowed in the Adak District. However, a personal use salmon fishery was allowed on Adak and Kagalaska Islands for Alaska residents during 1988-1997. Beginning in 1998, subsistence salmon fishing was again allowed in the Adak District (permits were required).

In 2004, a total of 146 subsistence permits were issued in the Alaska Peninsula Area (Appendix C1). This was less than the 165 permits issued in 2003 and also below the 1999-2003 average of 174 permits. In the Aleutian Islands Area, 209 permits were issued for the Unalaska District and 6 permits were issued for the Adak District (Appendices C1, C2, and C3). In 2004, 93 percent of

the Alaska Peninsula Area, 68 percent of the Unalaska District, and 67 percent of the Adak District subsistence permit reports were completed and returned to ADF&G (Appendix C2).

In 2004, the Alaska Peninsula Area subsistence salmon harvest was an estimated 14,240 salmon composed of 205 Chinook, 8,903 sockeye, 3,680 coho, 632 pink, and 820 chum salmon (Appendices C1 and C2). The Unalaska District subsistence salmon harvest during 2004 was estimated to be 5,538 salmon composed of 4 Chinook, 4,373 sockeye, 792 coho, 343 pink, and 26 chum salmon (Appendices C1 and C2). The Adak District subsistence salmon catch in 2004 consisted of 336 sockeye salmon (Appendices C2 and C13).

The number of subsistence fishermen and the average amount of salmon caught for subsistence purposes in the Alaska Peninsula Area increased substantially between 1985-1990 and 1991-1998 (Appendix C1). In 1985-1990, an annual average of 179 subsistence permit holders harvested an average of 14,411 salmon. During 1991-1998, an average of 243 permit holders harvested an annual average of 23,570 salmon. Reasons for the increase in permits included more out-of-area residents fishing in Mortensen's Lagoon near Cold Bay (Appendix C7). However, after 1998 the number of permits issued in the Alaska Peninsula Area generally declined (Appendix C1). The reason for the decline, although not completely understood, can be attributed to a decrease (from 80 in 1998 to 24 in 2003) of non-local permit holders, a decline of Sand Point permit holders ((from 61 in 2001 to 22 in 2004) and a decline of Nelson Lagoon permit holders (from 13 in 1998 to 3 in 2002 and 2003).

There is considerable variation in the species and numbers of salmon used for subsistence, among communities (Appendices C4 and C5). This variation may be due to differences in salmon availability from year to year and personal preference of each community.

In 2004, 2 non-local permit holders fished in Mortensen's Lagoon as compared to 18 residents of Cold Bay and 9 residents of King Cove (Appendix C6). In the years 1991 through 1998, the Mortensen's Lagoon subsistence fishery attracted more non-local Alaska residents (primarily from Anchorage and the Matanuska-Susitna Valley) than any other Alaska Peninsula Area subsistence fishery. This occurred primarily because of the easy road access between the Cold Bay airport and the lagoon and the availability of reasonable (even free) air transportation available to some fishermen. During 1991-1998, the average number of non-local permit holders estimated to have fished Mortensen's Lagoon was 25, compared to 13 local permit holders from Cold Bay and 6 local permit holders from King Cove (Appendix C7). During the years 1999-2004, the average number of non-local permit holders fishing at Mortensen's Lagoon fell to 4 compared to 13 local permit holders from Cold Bay and 9 local permit holders from King Cove.

Thin Point Lagoon, located approximately 12 air miles west of King Cove, is a very important source of subsistence sockeye and coho salmon for residents of King Cove (Appendix C8). Lenard Harbor, near the King Cove road system, is also an important source of coho salmon for subsistence purposes (Appendices C9 and C10).

The major Unalaska Island subsistence salmon fishing locations used during 2004 are listed in Appendix C11. The Reese Bay subsistence fishery, on Unalaska Island, targets a sockeye salmon run that appears to be fully utilized by subsistence fishermen during most years. However, during 2001 through 2004, the Reese Bay sockeye salmon runs were unusually large and more fish could have been harvested (Duesterloh, *in press*). The 2004 Reese Bay harvest was estimated to be 3,771 sockeye salmon (Appendices C11 and C12). Reese Bay received more fishing effort (estimated 86 permit holders) than all of the other locations on Unalaska Island combined during 2004.

The Adak District subsistence salmon harvest primarily consists of sockeye salmon taken at Quail Bay and Galas Point on Kagalaska Island and at Hidden Bay on Adak Island. Of the three sockeye salmon producing locations, Quail Bay is the most important. A few pink and coho salmon are also harvested on the north side of Adak Island. After 1993, the personal use effort decreased from previous years due to reductions in U.S. Navy personnel stationed at Adak. In 1997, the civilian population of Adak increased because of military base cleanup work. Eighteen permits were issued in 1997 and an estimated 229 sockeye salmon and 4 chum salmon were harvested (Appendix C3). From 1998 through 2003, an average of 10 Adak District subsistence permits were issued with an average harvest of 303 sockeye, 5 coho, and 20 pink salmon. In 2004, six permits were issued and the estimated salmon harvest was 336 sockeye salmon (Appendices C3 and C13). No other species were reported to be harvested in 2004.

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FIGURES

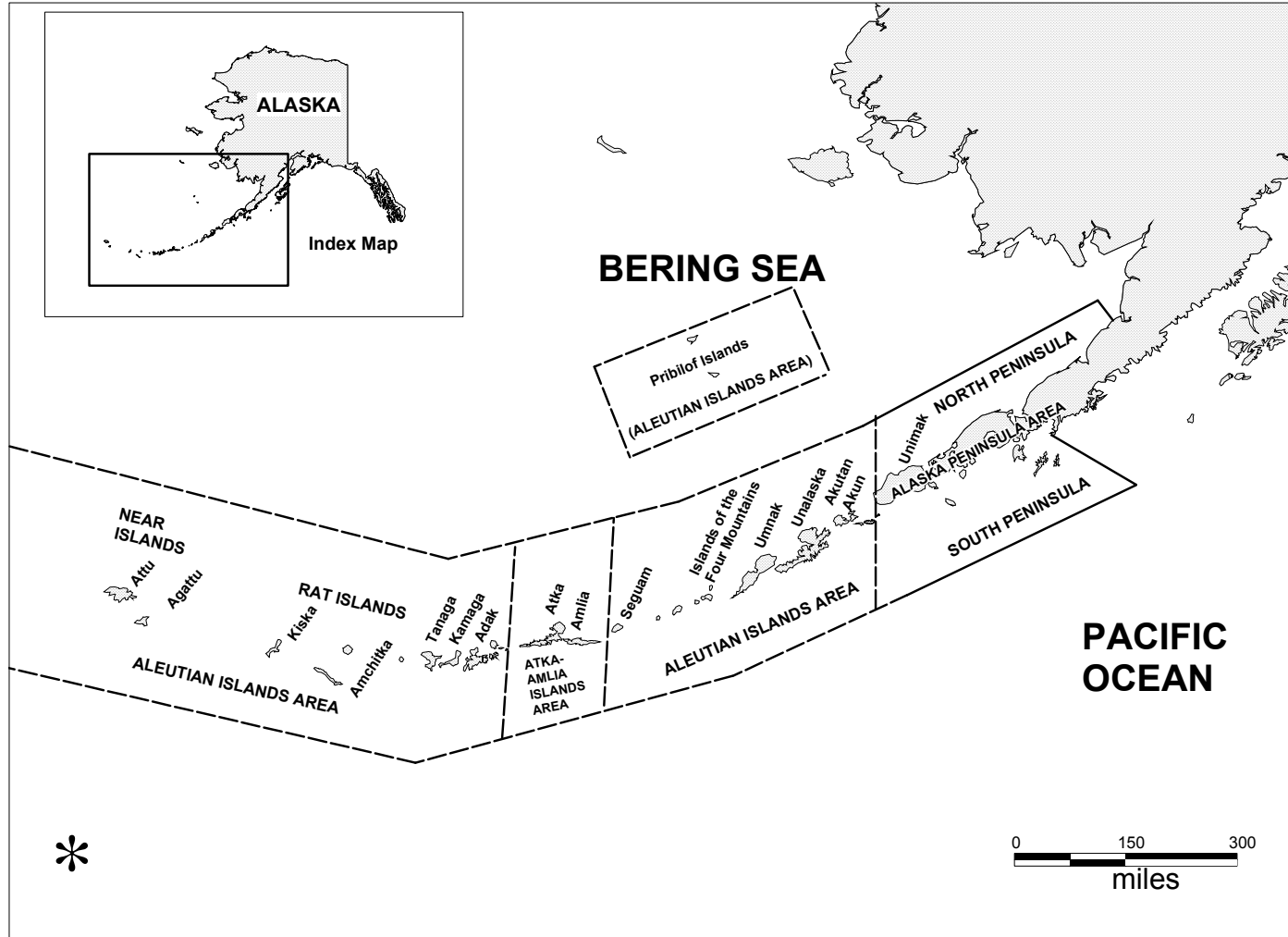


Figure 1.—Map of the Aleutian Islands, Atka-Amlia Islands, and Alaska Peninsula Management Areas.

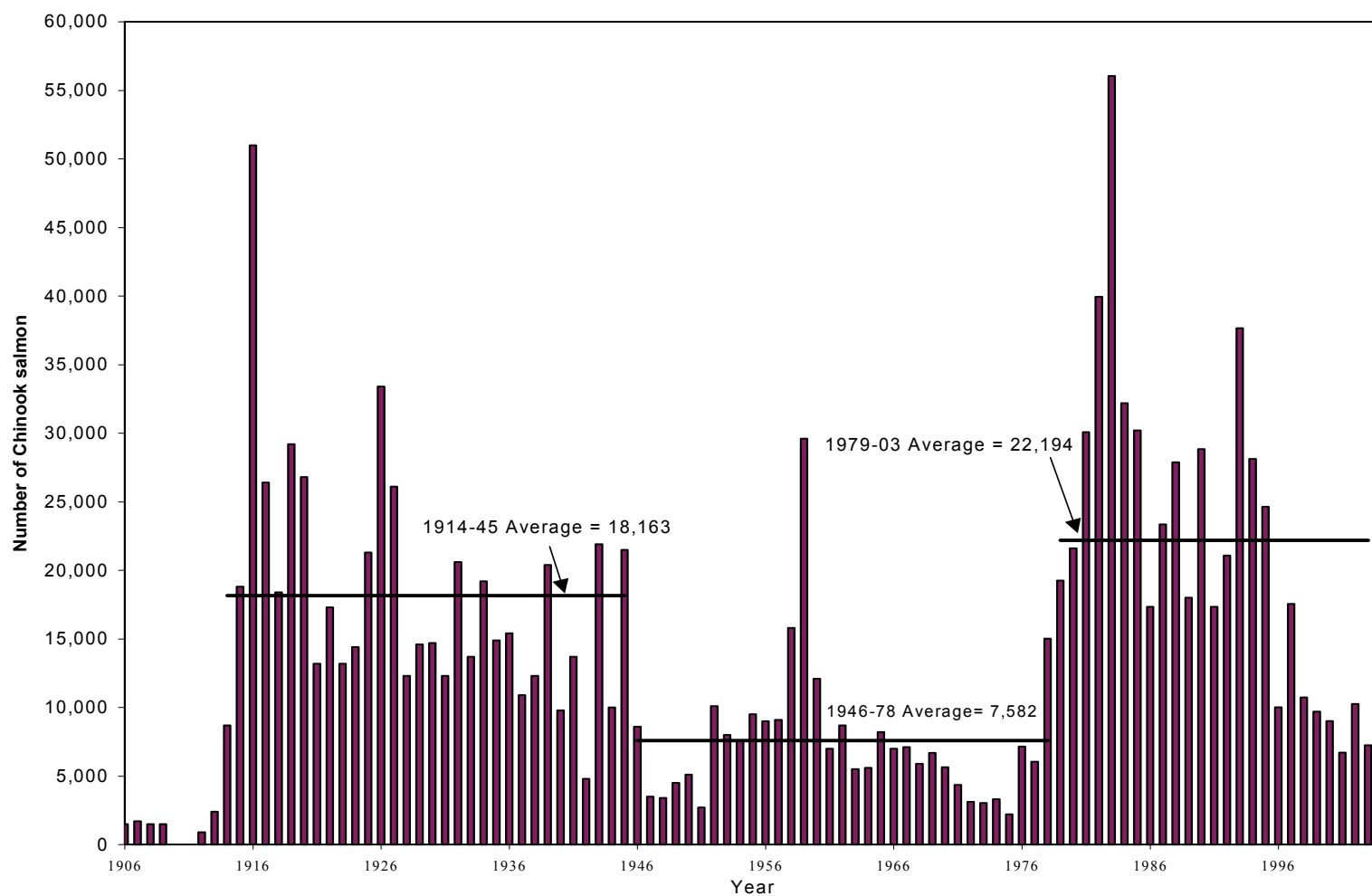


Figure 2.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of Chinook salmon by year, 1906-2004.

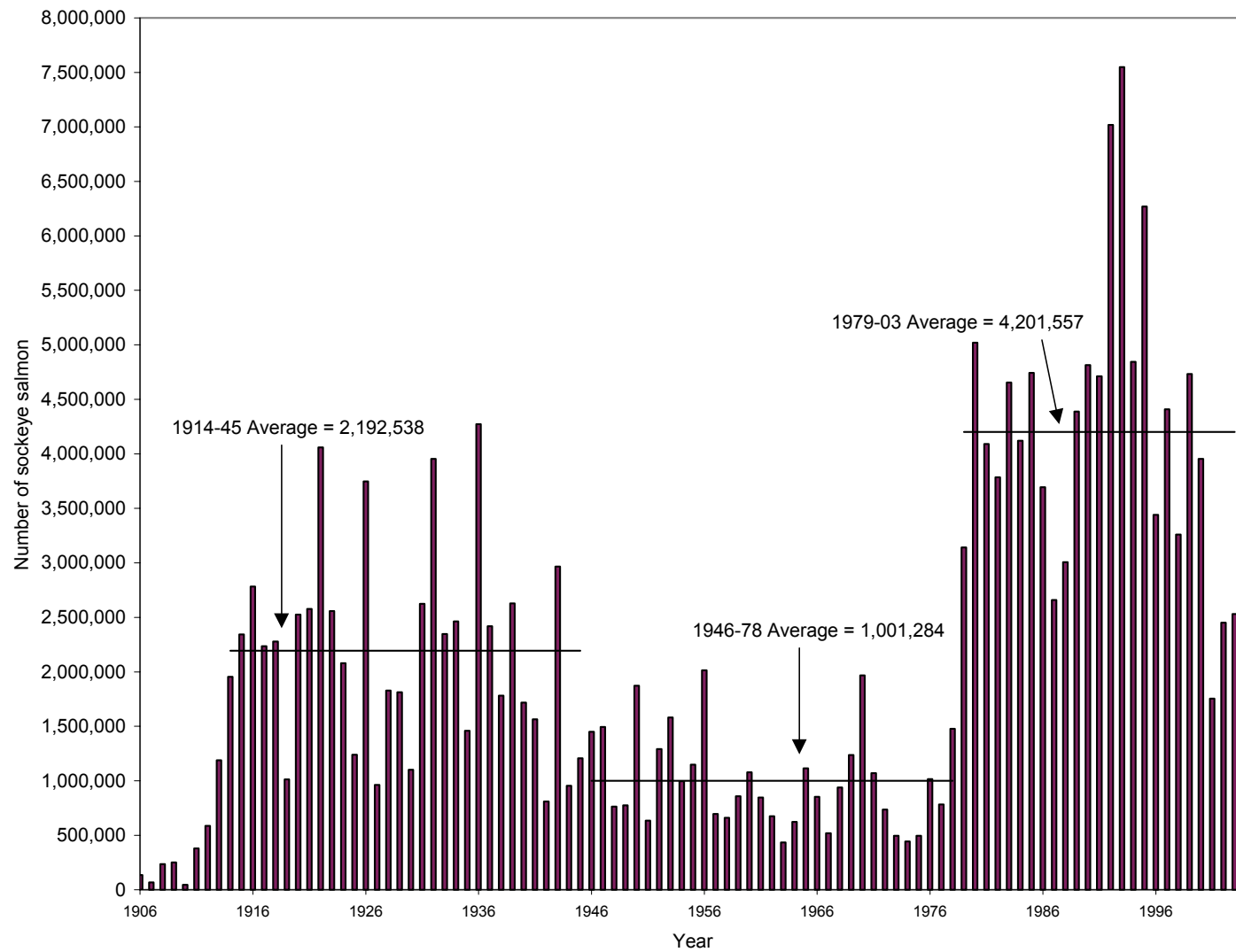


Figure 3.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of sockeye salmon by year, 1906-2004.

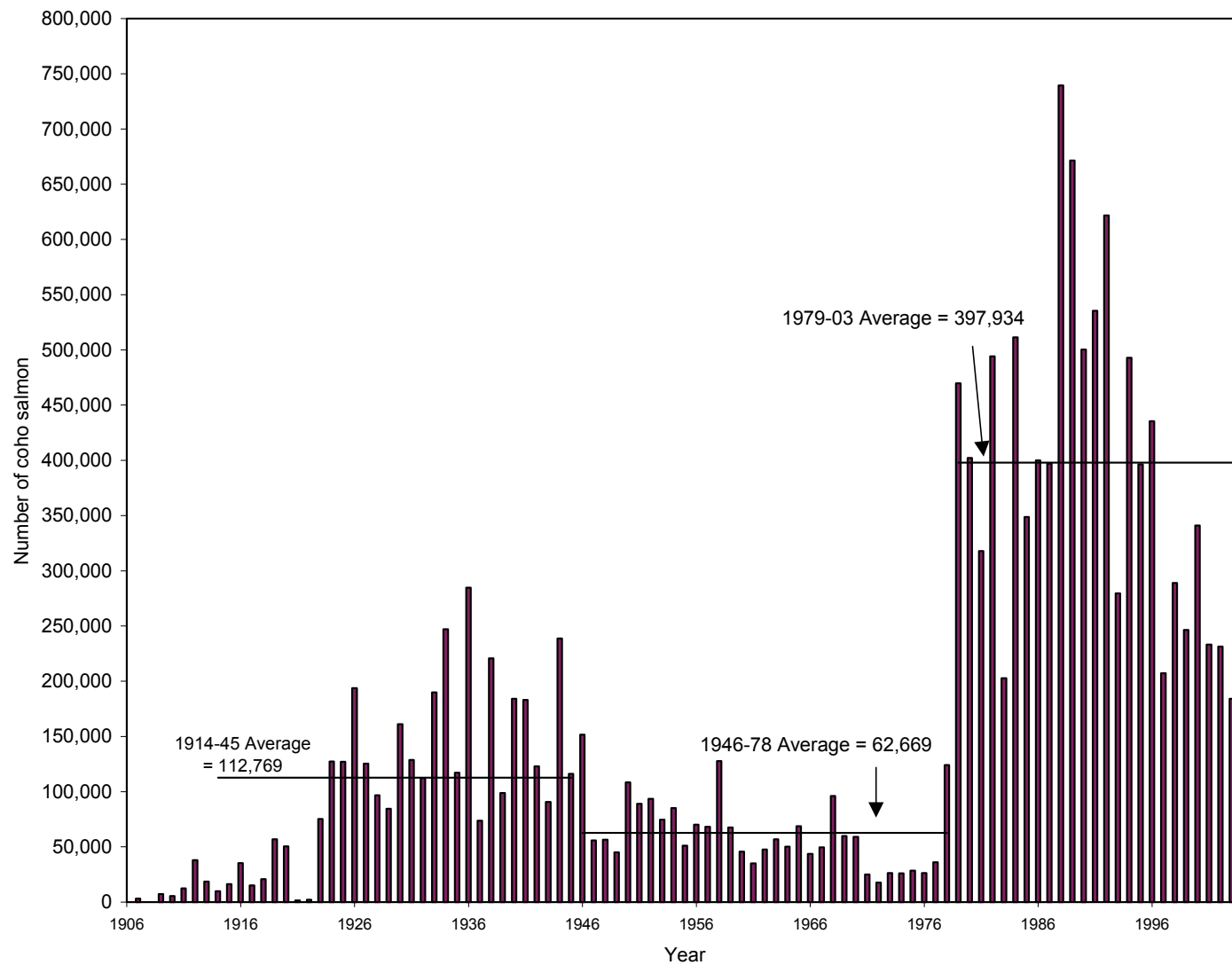


Figure 4.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of coho salmon by year, 1906-2004.

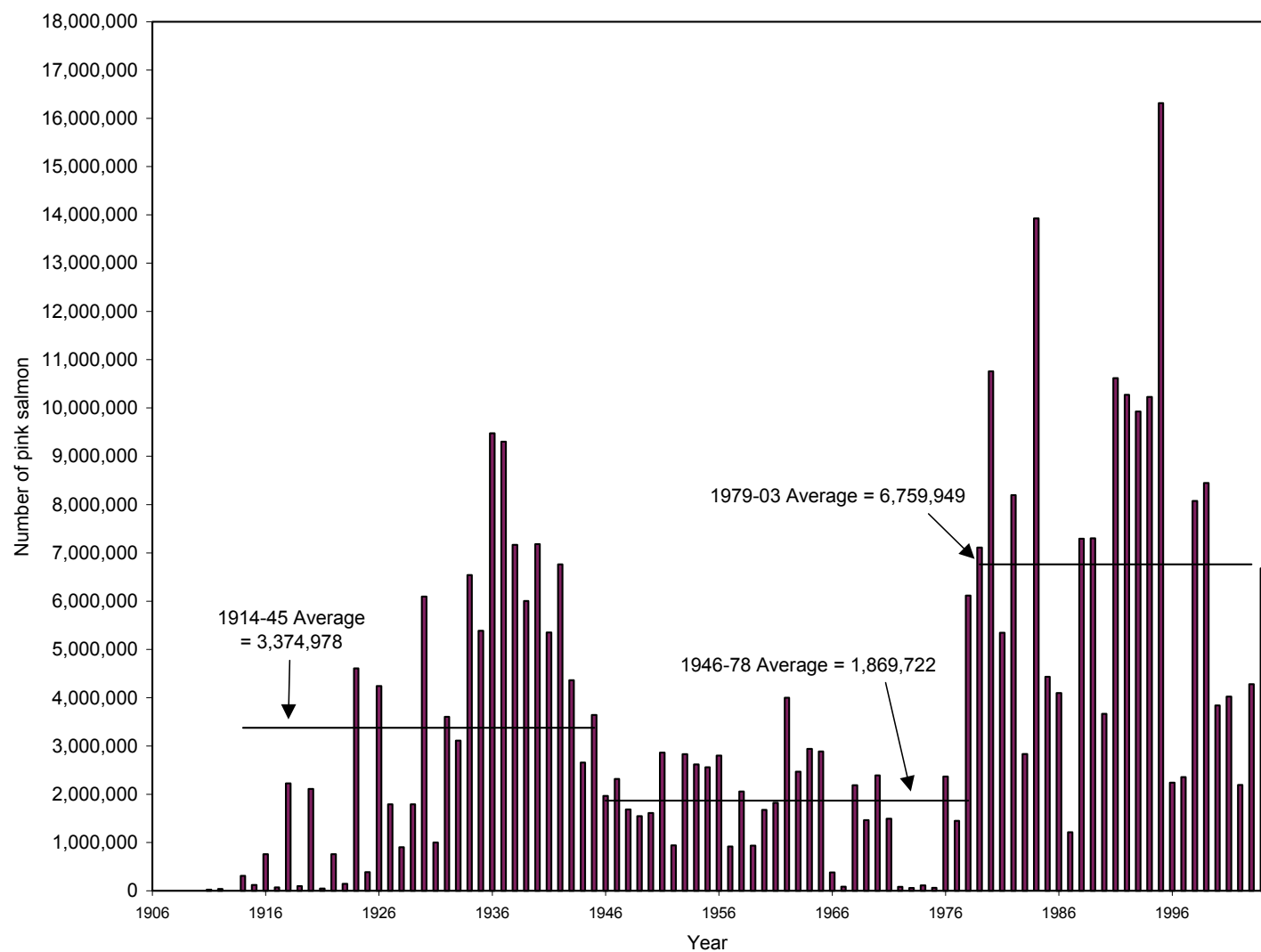


Figure 5.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of pink salmon by year, 1906-2004.

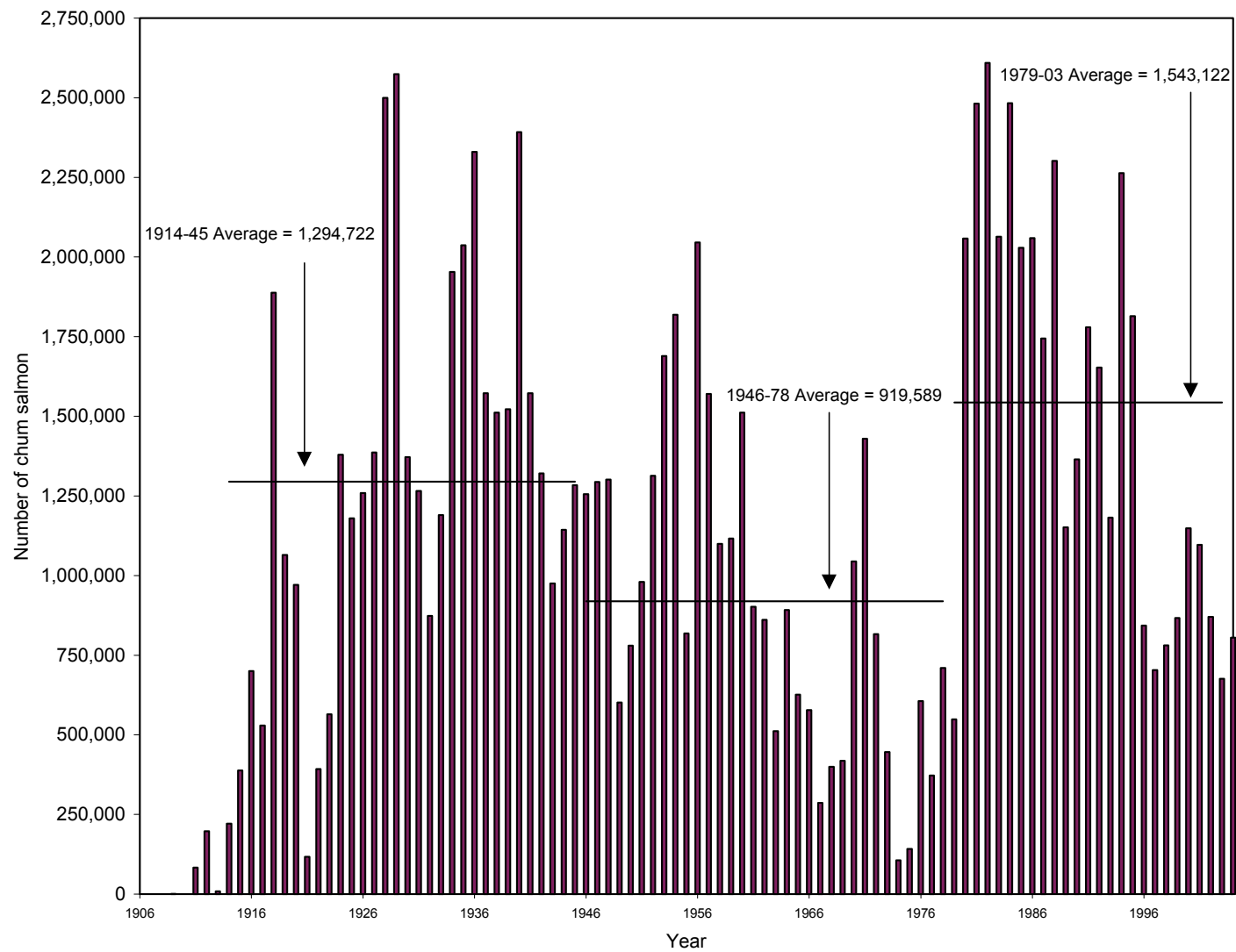


Figure 6.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of chum salmon by year, 1906-2004.

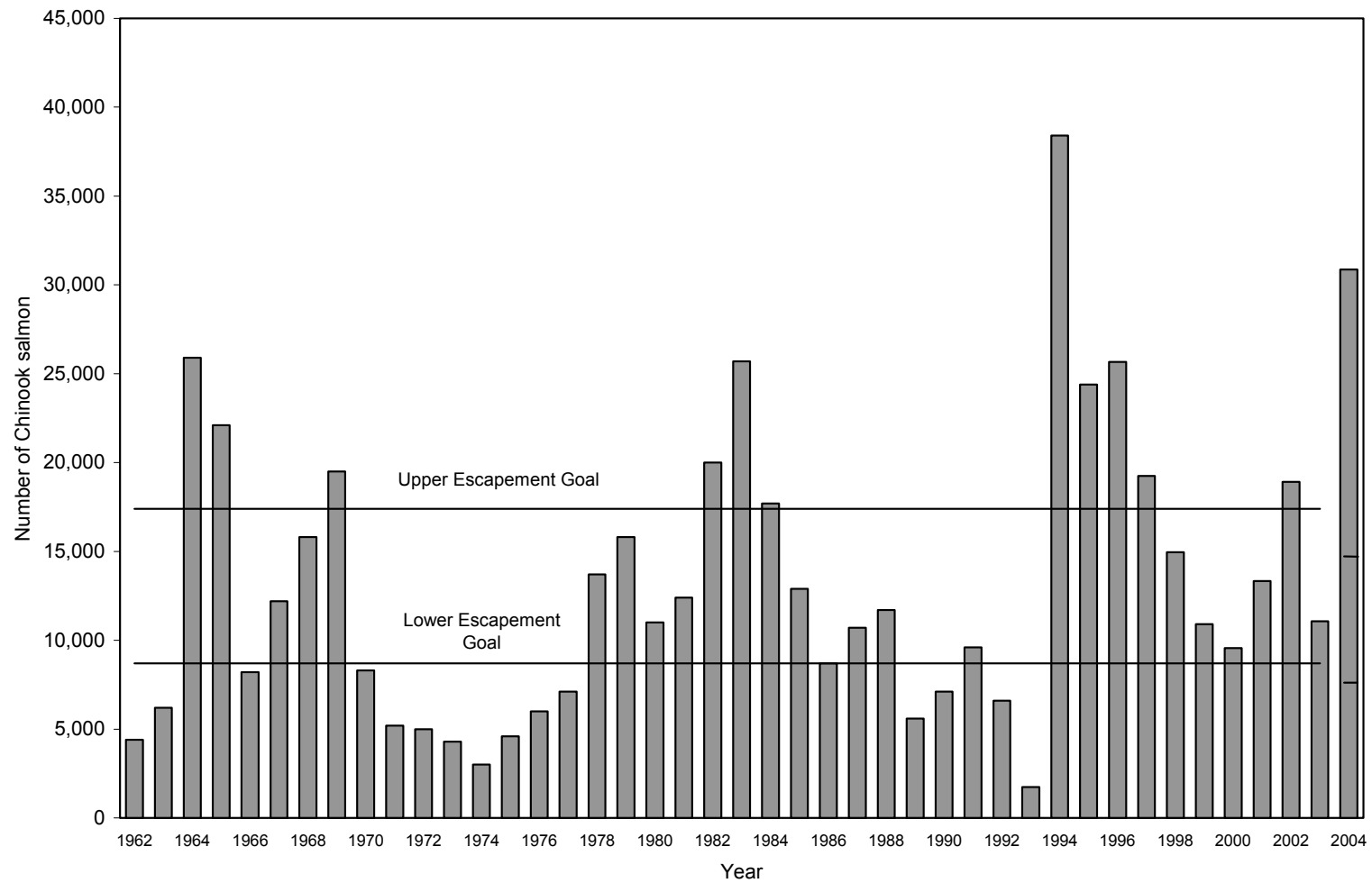


Figure 7.—The Alaska Peninsula Chinook salmon total indexed escapement by year, 1962-2004 (Note: Escapement goals were decreased in 2004).

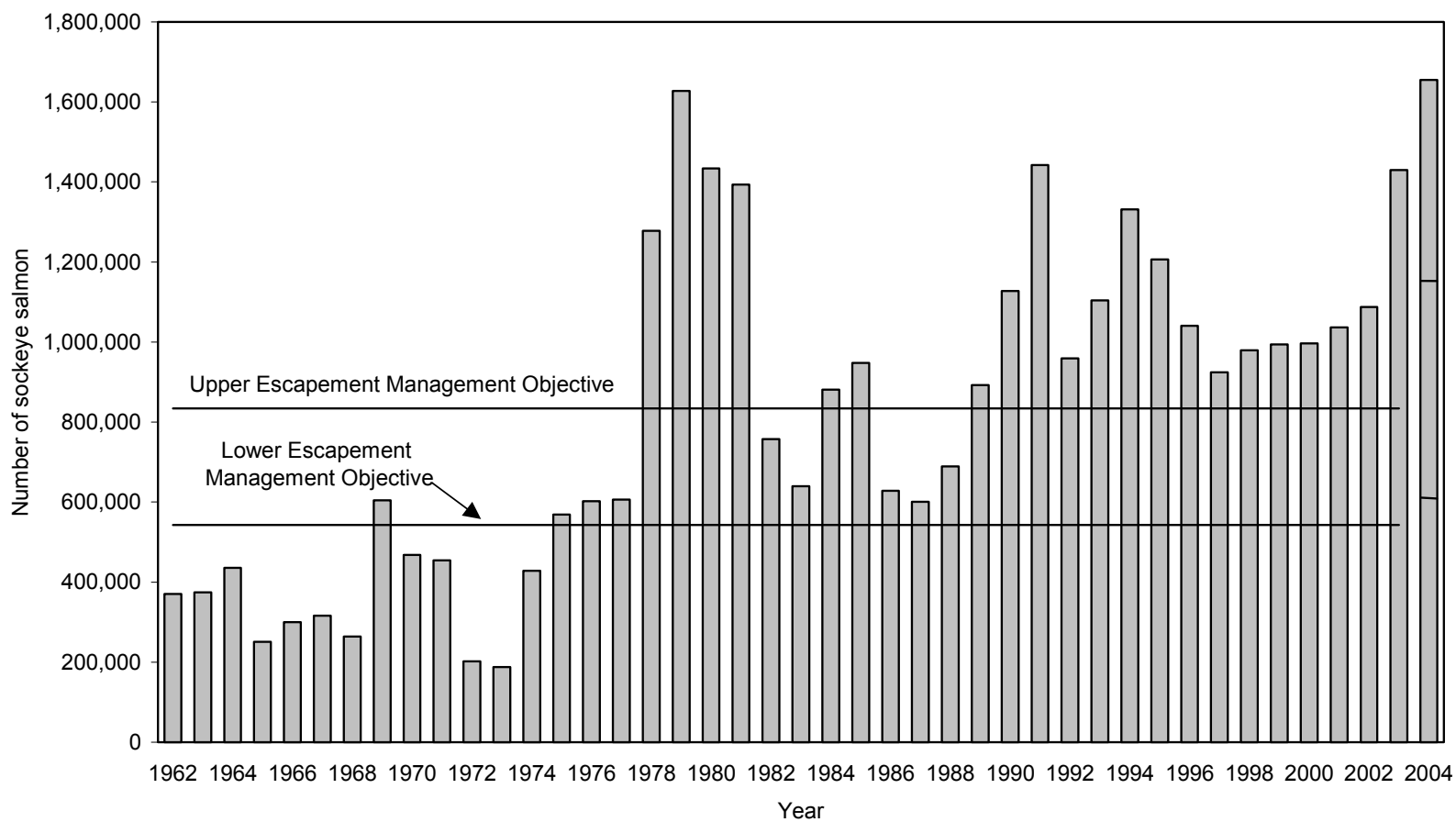


Figure 8.—The Alaska Peninsula sockeye salmon total indexed escapement by year, 1962-2004. (Note: Management objectives were increased in 2004.)

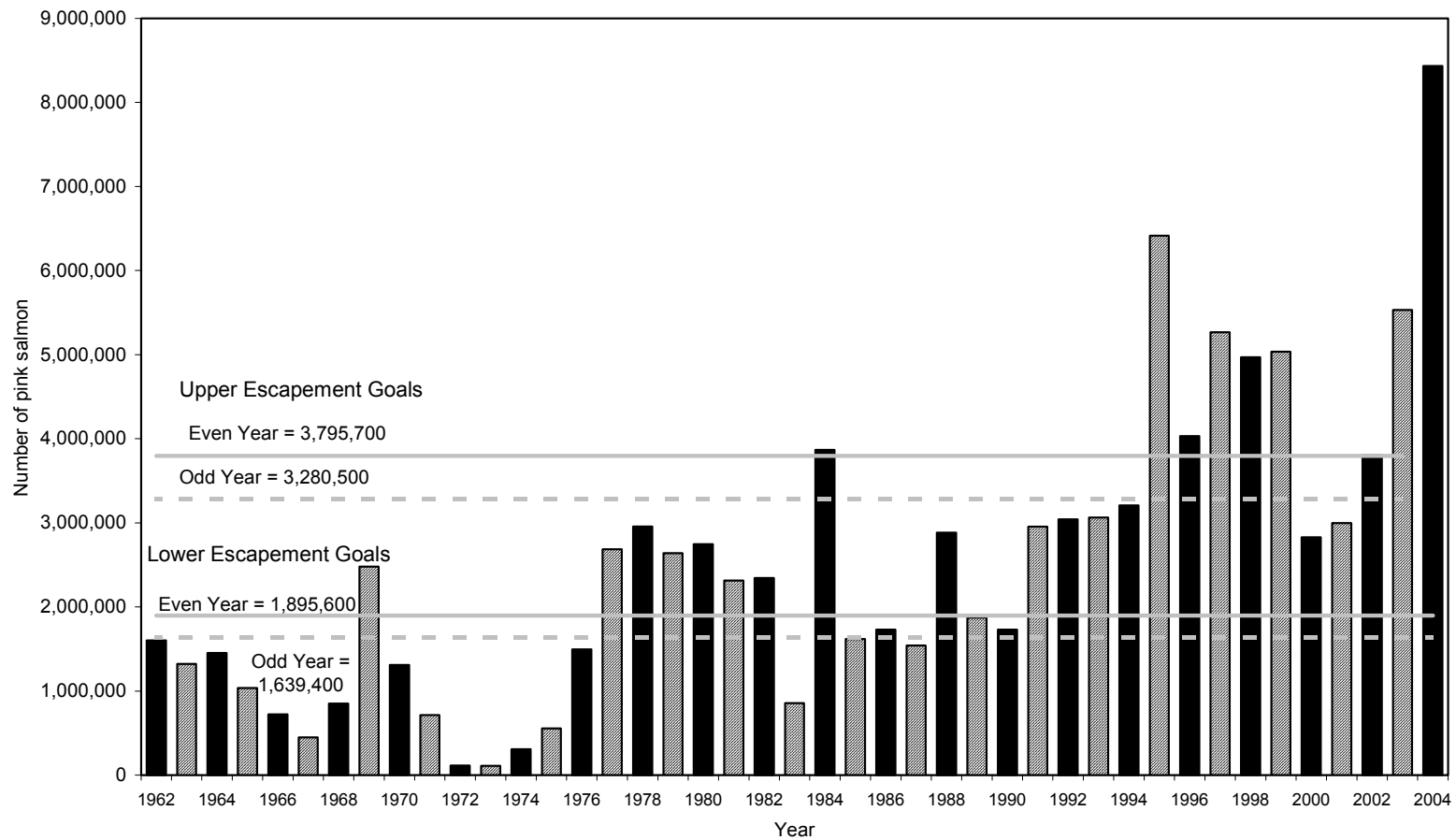


Figure 9.—The Alaska Peninsula pink salmon total indexed escapement by year, 1962-2004. (Note: Upper Escapement goals were eliminated for the North Peninsula and lower escapement goals were reduced slightly in 2004).

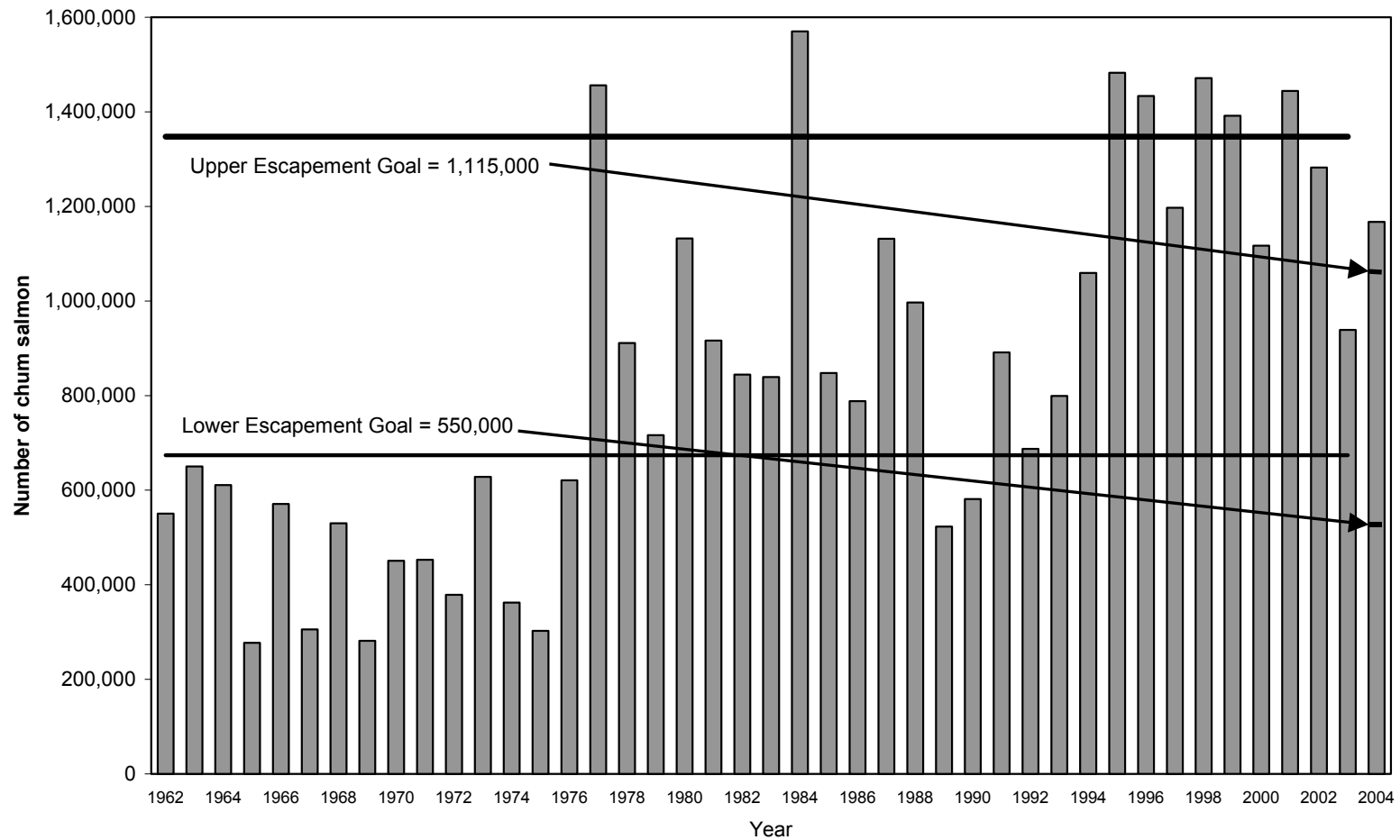


Figure 10.—The Alaska Peninsula chum salmon total indexed escapement by year, 1962-2004 (Note: Chum salmon escapement goals were reduced in 2004).

APPENDIX A:
FISHERY ECONOMIC AND GEOGRAPHIC DATA

Appendix A1.—List of statistical salmon fishing areas in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas.

Area	Statistical Areas
Alaska Peninsula	28100 through 28599 plus 31111 through 31899
South Peninsula prior to 1991	28100 through 28499
<u>Southeastern District Mainland^a</u>	28100 through 28299 plus 28370, 28375, 28380, and 28390
East Stepovak Section	28134, 28135, 28136
Stepovak Flats Section	28133
Northwest Stepovak Section	28110 through 28132
Orzinski and American Bays	28131
Southwest Stepovak Section	28390
Balboa Bay Section	28380
Beaver Bay Section ^a	28370, 28375
Shumagin Islands Section	28200 through 28299
<u>South Central District</u>	28361 through 28369
<u>Southwestern District</u>	28300 through 28352 plus 28460
<u>Unimak District</u>	28400 through 28450 plus 28310
June South Unimak Fishery	28310 through 28330 plus 28420 through 28460
South Peninsula after 1990	28100 through 28599
<u>Southeastern District</u>	28100 through 28299
<u>Southeastern District Mainland</u>	28100 through 28199
East Stepovak Section	28100 through 28125
Stepovak Flats Section	28130
Northwest Stepovak Section	28140 through 28169
Orzinski Bay	28150
American Bay	28155
Southwest Stepovak Section	28170
Balboa Bay Section	28180
Beaver Bay Section	28190
Shumagin Islands Section	28200 through 28299
<u>South Central District</u>	28300 through 28399
Mino Creek – Little Coal Bay Section	28315, 28317
East Pavlof Bay Section	28320, 28321, 28323
Canoe Bay Section	28324
West Pavlof Bay Section	28325, 28326
<u>Southwestern District</u>	28400 through 28499
Volcano Bay Section	28436, 28437, 28438, 28439
Belkofski Bay Section	28442
Deer Island Section	28455
Cold Bay Section	28462, 28465, 28467
Thin Point Section	28475
Morzhovoi Bay Section	28480
Ikatan Bay Section	28490
<u>Unimak District</u>	28500 through 28599
Sanak Island Section	28510
Otter Cove Section	28520, 28530
Cape Lutke Section	28540
June South Unimak Fishery	28400 through 28599

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Area	Statistical Areas
North Peninsula	31111 through 31820
<u>Northwestern District</u>	31111 through 31299
Dublin Bay Section	31120
Urilia Bay Section	31132 through 31142
Swanson Lagoon Section	31152
Bechevin Bay Section (prior to 2000)	31158 through 31160
Bechevin Bay Section (2000 to present)	31160
Izembek- Moffet Bay Section (prior to 2000)	31210 through 31240
Izembek- Moffet Bay Section (2000 to present)	31210 through 31240 and 31158
 <u>Northern District</u>	 31300 through 31899
Black Hills Section	31310
Caribou Flats Section	31320
Nelson Lagoon Section	31330
Bear River Section	31500 through 31599
Three Hills Section	31610
Bear River Section	31500 through 31599
Three Hills Section	31610
Ilnik Section	31620 through 31699
Ilnik Lagoon	31622
Outer Port Heiden Section	31710
Inner Port Heiden Section	31720
Cinder River Section	31820
Harbor Point to Cape Seniavin	31500 through 31599 and 31412
Cape Seniavin to Strogonof Point	31600 through 31699
Harbor Point to Strogonof Point	31500 through 31699 and 31412
 Aleutian Island Area	 30200 through 30999 and 31110
Atka-Amlia Area	30500 through 30599

^a In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District. The balance of 28370 remained in the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

Appendix A2.—List of processing companies purchasing salmon in the Alaska Peninsula and Aleutian Islands Management Areas, 2004.

Alaska Peninsula Fisherman's Cooperative
P.O. Box 1488
Sumner, WA 98390
Phone: (253) 862-7284

Aleutia Inc.
PO Box 408
Sand Point, AK 99661
Phone: (907) 383-2455

Peter Pan Seafoods Inc.
2200 6th Avenue #1000
Seattle, WA 98121
Phone: (206) 728-6000
Fax: (206) 441-9090

Trident Seafoods Corporation
5303 Shilshole Avenue NW
Seattle, WA 98107
Phone: (206) 783-3818
Fax: (206) 782-7195

Appendix A3.—Estimated exvessel value of Alaska Peninsula and Aleutian Islands Management Areas commercial salmon fishery, 2004.

	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	Total ^a
<i>SEINE</i>						
<u>South Peninsula</u>						
Poundage	99,842	6,061,815	1,098,785	21,059,290	4,037,043	32,356,775
Average Weight	17.5	5.5	6.3	3.3	6.6	
Exvessel Value (\$)	37,000	3,167,298	125,000	1,454,000	403,704	5,187,002
<u>Northwestern District</u>						
Poundage	48	520,194	0	33,550	42,052	595,844
Average Weight	24.0	5.4		3.3	7.1	
Exvessel Value	19	271,801	0	2,300	3,800	
<u>Northern District</u>						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	0	0	0	0	0	0
<u>North Peninsula Total</u>						
Poundage	48	520,194	0	33,550	42,052	595,844
Average Weight	24.0	5.4		3.3	7.1	
Exvessel Value (\$)	19	271,801	0	2,300	3,800	277,920
<u>Aleutian Islands Area</u>						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	\$0	0	0	0	0	0
<u>Alaska Peninsula and Aleutian Islands Areas Total</u>						
Poundage	99,890	6,582,009	1,098,785	21,092,870	4,079,095	32,952,649
Average Weight	17.5	5.5	6.3	3.3	6.4	
Exvessel Value (\$)	37,019	3,439,099	125,000	1,456,300	407,504	5,464,922
<u>South Unimak and Shumagin Islands June Fisheries^{b,c}</u>						
Poundage	67,318	3,760,675	2,022	809,622	2,277,208	6,916,845
Average Weight	18.6	5.4	5.6	2.3	6.4	
Exvessel Value (\$)	25,000	1,964,953	202	44,500	227,721	2,262,376

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	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>DRIFT GILLNET</i>						
<u>South Peninsula</u>						
Poundage	8,903	1,959,496	58,794	116,490	695,320	2,839,003
Average Weight	18.0	5.0	6.4	3.2	6.0	
Exvessel Value (\$)	3,700	1,024,000	6,000	6,400	69,500	1,109,600
<u>Northwestern District</u>						
Poundage	0	9,983	97	4,438	3,860	18,378
Average Weight		5.6	6.5	3.5	7.0	
Exvessel Value (\$)	0	5,216	10	300	380	5,906
<u>Northern District</u>						
Poundage	127,835	11,627,596	185,089	13,323	45,218	11,999,061
Average Weight	15.3	5.8	8.5	3.1	7.0	
Exvessel Value (\$)	44,000	6,075,000	40,700	700	4,500	6,164,900
<u>North Peninsula Total</u>						
Poundage	127,835	11,637,579	185,186	17,761	49,078	12,017,439
Average Weight	15.3	5.8	8.5	3.2	7.0	
Exvessel Value (\$)	44,000	6,080,216	40,710	1,000	4,880	6,170,806
<u>Alaska Peninsula and Aleutian Islands Areas Total</u>						
Poundage	136,738	13,597,075	243,980	134,251	744,398	14,856,442
Average Weight	15.5	5.7	7.9	3.2	6.1	
Exvessel Value (\$)	47,700	7,104,216	46,710	7,400	74,380	7,280,406
<u>Area T</u>						
Poundage	0	0	2,803	0	0	2,803
Average Weight			8.4			
Exvessel Value (\$)	0	0	1,500	0	0	1,500
<u>Area M</u>						
Poundage	136,738	13,597,075	241,177	134,251	744,398	14,853,639
Average Weight	15.5	5.7	7.9	3.2	6.1	
Exvessel Value (\$)	47,700	7,104,216	45,210	7,400	74,380	7,278,906
<u>South Unimak-Shumagin Islands June Fisheries^{b,c}</u>						
Poundage	8,888	1,839,396	414	30,580	648,837	2,528,115
Average Weight	18.0	5.0	5.8	2.6	5.9	
Exvessel Value (\$)	3,694	961,000	40	1,500	64,900	1,031,134

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	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>SET GILLNET</i>						
<u>South Peninsula</u>						
Poundage	10,669	4,479,650	348,211	738,041	445,263	6,021,834
Average Weight	12.7	6.3	6.8	3.2	6.9	
Exvessel Value (\$)	4,000	2,341,200	56,000	51,000	44,500	2,496,700
<u>Northwestern District</u>						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	0	0	0	0	0	0
<u>Northern District</u>						
Poundage	31,460	1,913,706	103,847	428	15,775	2,065,216
Average Weight	15.3	5.6	8.5	3.8	8.0	
Exvessel Value	11,000	999,911	23,000	30	1,577	1,035,518
<u>North Peninsula Total</u>						
Poundage	31,460	1,913,706	103,847	428	15,775	2,065,216
Average Weight	15.3	5.6	8.5	3.8	8.0	
Exvessel Value (\$)	11,000	999,911	23,000	30	1,577	1,035,518
<u>Alaska Peninsula and Aleutian Islands Total</u>						
Poundage	42,129	6,393,356	452,058	738,469	461,038	8,087,050
Average Weight	14.5	6.1	7.1	3.2	6.9	
Exvessel Value (\$)	15,000	3,341,111	79,000	51,030	46,077	3,532,218
<u>Area T</u>						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	\$0	0	0	0	0	0
<u>Area M</u>						
Poundage	42,129	6,393,356	452,058	738,469	461,038	8,087,050
Average Weight	14.5	6.1	7.1	3.2	6.9	
Exvessel Value (\$)	15,000	3,341,111	79,000	51,030	46,077	3,532,218
<u>South Unimak-Shumagin Islands June Fisheries^{b,c}</u>						
Poundage	4,537	1,696,381	1,170	6,720	122,279	1,831,087
Average Weight	14.9	6.1	6.2	2.7	6.7	
Exvessel Value (\$)	1,700	890,000	110	370	12,200	904,380

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	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>ALL GEAR COMBINED</i>						
<u>South Peninsula</u>						
Poundage	119,414	12,500,961	1,505,790	21,913,821	5,177,626	41,217,612
Average Weight	16.9	5.70	6.4	3.3	6.6	
Exvessel Value (\$)	44,700	6,532,498	187,000	1,511,400	517,704	8,793,302
<u>Northwestern District</u>						
Poundage	48	530,177	97	37,988	45,912	614,222
Average Weight	24.0		6.5	3.3	7.1	
Exvessel Value (\$)	19	277,017	10	2,600	4,180	283,826
<u>Northern District</u>						
Poundage	159,295	13,541,302	288,936	13,751	60,993	14,064,277
Average Weight	15.3	5.8	8.5	3.1	7.2	
Exvessel Value (\$)	55,000	7,074,911	63,700	730	6,077	7,200,418
<u>North Peninsula Total</u>						
Poundage	159,343	14,071,479	289,033	51,739	106,905	14,678,499
Average Weight	15.3	5.8	8.5	3.3	7.1	
Exvessel Value	55,019	7,351,928	63,710	3,330	10,257	7,484,244
<u>Aleutian Islands Total</u>						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	0	0	0	0	0	0
<u>Alaska Peninsula and Aleutian Islands Areas Total</u>						
Poundage	278,757	26,572,440	1,794,823	21,965,560	5,284,531	55,896,111
Average Weight	16.0	5.7	6.7	3.3	6.6	
Exvessel Value (\$)	99,719	13,884,426	250,710	1,514,730	527,961	16,277,546
<u>Area T</u>						
Poundage	0	0	2,803	0	0	2,803
Average Weight			8.4			
Exvessel Value (\$)	0	0	1,500	0	0	1,500
<u>Area M</u>						
Poundage	278,757	26,572,440	1,792,020	21,965,560	5,284,531	55,893,308
Average Weight	16.0	5.7	6.7	3.3	6.6	
Exvessel Value (\$)	99,719	13,884,426	249,210	1,514,730	527,961	16,276,046
<u>South Unimak-Shumagin Islands June Fisheries^{b,c}</u>						
Poundage	80,743	7,296,452	3,606	846,922	3,048,324	11,276,047
Average Weight	18.3	5.4	5.8	2.4	6.3	
Exvessel Value (\$)	30,394	3,815,953	352	46,370	304,821	4,197,890

^a All value figures are estimates based on limited information with the Chinook, coho, and chum salmon value figures more certain than those of sockeye and pink salmon.

^b Does not include test fisheries.

^c These figures are included in the South Peninsula and total Alaska Peninsula and Aleutian Islands Areas.

Appendix A4.—Alaska Peninsula and Aleutian Islands Management Areas estimated exvessel value (\$) of commercially caught salmon by year, species, and gear, 1979-2004.

Year	Gear	Chinook	Sockeye	Coho	Pink	Chum	Total
1979	Seine	41,024	5,806,222	2,403,576	9,544,217	1,706,042	19,501,081
	Drift GN	240,779	11,753,626	441,669	39,800	263,172	12,739,046
	Set GN	201,398	2,505,152	355,256	123,283	158,286	3,343,375
	Total	483,201	20,065,000	3,200,501	9,707,300	2,127,500	35,583,502
1980	Seine	58,969	9,244,048	933,974	13,857,200	4,534,200	28,628,391
	Drift GN	152,604	5,505,669	291,213	9,800	1,077,000	7,036,286
	Set GN	88,426	1,250,283	274,813	133,000	388,800	2,135,322
	Total	299,999	16,000,000	1,500,000	14,000,000	6,000,000	37,799,999
1981	Seine	149,904	7,555,092	818,867	7,780,053	6,186,088	22,490,004
	Drift GN	227,880	12,919,049	402,703	23,122	1,387,760	14,960,514
	Set GN	162,216	3,359,859	440,430	169,825	485,152	4,617,482
	Total	540,000	23,834,000	1,662,000	7,973,000	8,059,000	42,068,000
1982	Seine	159,719	7,342,780	1,193,753	6,273,624	5,222,369	20,192,245
	Drift GN	482,670	9,920,524	790,307	53,286	2,086,026	13,332,813
	Set GN	299,612	1,690,697	701,940	93,090	380,606	3,165,945
	Total	942,001	18,954,001	2,686,000	6,420,000	7,689,001	36,691,003
1983	Seine	290,228	7,710,942	413,021	2,798,538	3,682,741	14,895,470
	Drift GN	264,657	11,836,113	106,775	8,857	799,006	13,015,408
	Set GN	138,115	2,438,945	233,204	79,605	207,254	3,097,123
	Total	693,000	21,986,000	753,000	2,887,000	4,689,001	31,008,001
1984	Seine	162,878	6,927,466	1,283,032	12,265,369	3,384,960	24,023,705
	Drift GN	366,861	8,895,318	721,161	88,448	1,218,684	11,290,472
	Set GN	160,861	3,680,216	524,907	241,183	316,356	4,923,523
	Total	690,600	19,503,000	2,529,100	12,595,000	4,920,000	40,237,700
1985	Seine	111,106	8,835,393	966,202	3,590,683	3,367,800	16,871,184
	Drift GN	313,931	15,569,329	528,289	20,455	804,537	17,236,541
	Set GN	196,363	3,651,278	559,510	176,901	190,663	4,774,715
	Total	621,400	28,056,000	2,054,001	3,788,039	4,363,000	38,882,440
1986	Seine	63,512	7,218,401	1,109,746	2,665,608	4,151,941	15,209,208
	Drift GN	102,301	19,594,136	462,212	28,793	688,716	20,876,158
	Set GN	59,587	4,274,463	414,342	74,198	243,344	5,065,934
	Total	225,400	31,087,000	1,986,300	2,768,599	5,084,001	41,151,300
1987	Seine	174,544	7,305,460	1,383,112	1,691,295	3,320,666	13,875,077
	Drift GN	247,653	14,594,398	908,674	9,073	1,185,440	16,945,238
	Set GN	98,803	5,636,742	664,213	78,632	273,894	6,752,284
	Total	521,000	27,536,600	2,955,999	1,779,000	4,780,000	37,572,599

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Year	Gear	Chinook	Sockeye	Coho	Pink	Chum	Total
1988	Seine	232,723	11,952,232	3,534,600	19,005,582	10,403,088	45,128,225
	Drift GN	297,533	23,503,525	1,742,790	506,192	3,213,893	29,263,933
	Set GN	142,743	7,280,243	1,172,610	817,226	787,019	10,199,841
	Total	672,999	42,736,000	6,450,000	20,329,000	14,404,000	84,591,999
1989	Seine	117,486	14,925,204	1,831,648	8,958,999	1,947,290	27,780,627
	Drift GN	159,100	18,253,184	1,292,059	113,538	890,441	20,708,322
	Set GN	89,414	6,112,612	870,293	468,463	273,268	7,814,050
	Total	366,000	39,291,000	3,994,000	9,541,000	3,110,999	56,302,999
1990	Seine	239,867	12,937,460	1,354,192	3,369,540	2,368,008	20,269,067
	Drift GN	271,284	22,736,487	940,241	52,242	670,851	24,671,105
	Set GN	91,435	6,685,754	670,804	69,974	197,143	7,715,110
	Total	602,586	42,359,701	2,965,237	3,491,756	3,236,002	52,655,282
1991 ^a	Seine	66,000	6,100,000	620,000	3,776,000	1,750,000	12,312,000
	Drift GN	62,000	12,000,000	649,000	13,000	600,690	13,324,690
	Set GN	46,600	4,541,600	245,000	143,700	259,910	5,236,810
	Total	174,600	22,641,600	1,514,000	3,932,700	2,610,600	30,873,500
1992 ^a	Seine	102,000	17,044,000	1,162,000	5,315,000	2,534,000	26,157,000
	Drift GN	94,000	32,344,000	540,000	103,000	458,000	33,539,000
	Set GN	58,600	8,635,000	594,000	261,000	214,000	9,762,600
	Total	254,600	58,023,000	2,296,000	5,679,000	3,206,000	69,458,600
1993 ^a	Seine	140,000	10,261,000	402,000	4,521,000	1,640,000	16,964,000
	Drift GN	114,000	20,204,000	147,000	5,000	314,000	20,784,000
	Set GN	67,000	4,523,000	280,000	141,000	122,000	5,133,000
	Total	321,000	34,988,000	829,000	4,667,000	2,076,000	42,881,000
1994 ^a	Seine	91,430	5,525,400	655,025	4,987,020	3,298,450	14,557,325
	Drift GN	63,360	16,912,700	513,600	63,220	305,070	17,857,950
	Set GN	32,140	4,506,000	551,140	174,390	250,050	5,513,720
	Total	186,930	26,944,100	1,719,765	5,224,630	3,853,570	37,928,995
1995 ^a	Seine	215,270	9,365,000	492,000	9,460,760	2,118,300	21,651,330
	Drift GN	66,220	22,170,800	187,010	29,600	421,550	22,875,180
	Set GN	47,650	5,860,000	227,000	385,770	200,578	6,720,998
	Total	329,140	37,395,800	906,010	9,876,130	2,740,428	51,247,508
1996 ^a	Seine	27,168	2,846,000	448,000	361,702	260,600	3,943,470
	Drift GN	24,045	9,472,000	232,300	15,501	88,490	9,832,336
	Set GN	13,512	4,402,700	268,020	60,167	59,650	4,804,049
	Total	64,725	16,720,700	948,320	437,370	408,740	18,579,855

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Year	Gear	Chinook	Sockeye	Coho	Pink	Chum	Total
1997 ^a	Seine	32,730	3,302,000	79,150	1,029,510	342,200	4,785,590
	Drift GN	54,160	15,330,000	141,300	29,600	128,380	15,683,440
	Set GN	25,320	5,890,600	210,950	35,320	49,249	6,211,439
	Total	112,210	24,522,600	431,400	1,094,430	519,829	26,680,469
1998 ^a	Seine	21,007	3,777,000	221,000	3,058,500	356,000	7,433,507
	Drift GN	17,450	10,787,000	219,800	104,400	181,600	11,310,250
	Set GN	16,041	5,074,600	147,200	240,319	121,524	5,599,684
	Total	54,498	19,638,600	588,000	3,403,219	659,124	24,343,441
1999 ^a	Seine	21,000	7,086,000	236,000	3,000,016	368,023	10,711,039
	Drift GN	20,900	13,648,600	116,300	6,350	128,086	13,920,236
	Set GN	12,300	7,792,000	87,700	151,030	93,250	8,136,280
	Total	54,200	28,526,600	440,000	3,157,396	589,359	32,767,555
2000 ^a	Seine	19,040	3,430,000	332,110	1,372,000	616,000	5,769,150
	Drift GN	24,320	12,131,000	91,400	15,076	149,400	12,411,196
	Set GN	9,115	4,461,500	118,750	127,047	117,363	4,833,775
	Total	52,475	20,022,500	542,260	1,514,123	882,763	23,014,121
2001 ^a	Seine	4,658	522,000	144,001	1,219,050	646,616	2,536,325
	Drift GN	9,351	3,267,000	56,740	11,784	78,492	3,423,367
	Set GN	9,735	1,533,700	37,576	105,213	117,091	1,803,315
	Total	23,744	5,322,700	238,317	1,336,047	842,199	7,763,007
2002 ^a	Seine	15,969	1,276,000	106,401	634,000	455,537	2,487,907
	Drift GN	10,879	4,218,000	30,405	8,260	128,010	4,395,554
	Set GN	7,444	1,971,700	21,462	75,020	50,439	2,126,065
	Total	34,292	7,465,700	158,268	717,280	633,986	9,009,526
2003 ^a	Seine	6,824	1,091,084	52,000	743,012	324,911	2,217,831
	Drift GN	11,582	4,433,190	61,313	10,341	83,203	4,599,629
	Set GN	6,015	2,346,327	81,000	70,004	49,149	2,552,495
	Total	24,421	7,870,601	194,313	823,357	457,263	9,369,955
2004 ^a	Seine	37,019	3,439,099	125,000	1,456,300	407,504	5,464,922
	Drift GN	47,700	7,104,216	45,210	7,400	74,380	7,278,906
	Set GN	15,000	3,341,111	79,000	51,030	46,077	3,532,218
	Total	99,719	13,884,426	249,210	1,514,730	527,961	16,276,046
1991-95 AVG	Seine	122,940	9,659,080	666,205	5,611,956	2,268,150	18,328,331
	Drift GN	79,916	20,726,300	407,322	42,764	419,862	21,676,164
	Set GN	50,398	5,613,120	379,428	221,172	209,308	6,473,426
	Total	253,254	35,998,500	1,452,955	5,875,892	2,897,320	46,477,921
1996-00 AVG	Seine	24,189	4,088,200	263,252	1,764,346	388,565	6,528,552
	Drift GN	28,175	12,273,720	160,220	34,185	135,191	12,631,491
	Set GN	15,258	5,524,280	166,524	122,777	88,207	5,917,046
	Total	67,622	21,886,200	589,996	1,921,308	611,963	25,077,089

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Year	Gear	Chinook	Sockeye	Coho	Pink	Chum	Total
2001-03 AVG	Seine	9,150	963,028	100,801	865,354	475,688	2,414,021
	Drift GN	10,604	3,972,730	49,486	10,128	96,568	4,139,517
	Set GN	7,731	1,950,576	46,679	83,412	72,226	2,160,625
	Total	27,486	6,886,334	196,966	958,895	644,483	8,714,163

^a Area M fishermen only.

Appendix A5.—Average weights and approximate exvessel prices for salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Areas, 1979-2004.

Year	Average Weight (lbs)					Average Price (\$/lb) ^a				
	Chinook	Sockeye	Coho	Pink	Chum	Chinook	Sockeye	Coho	Pink	Chum
1979	22.9	5.8	7.4	3.6	7.3	1.18	1.10	0.92	0.38	0.53
1980	19.4	5.2	6.4	3.2	6.6	0.72	0.62	0.58	0.40	0.44
1981	17.9	5.8	7.5	3.6	7.2	1.02	1.00	0.70	0.42	0.45
1982	19.6	5.9	7.8	3.1	7.4	1.21	0.85	0.70	0.25	0.40
1983	17.5	5.5	7.6	3.8	6.9	0.71	0.86	0.49	0.27	0.33
1984	19.5	5.7	7.8	3.6	7.2	1.11	0.83	0.63	0.25	0.28
1985	19.5	5.4	7.8	4.1	7.0	1.06	1.09	0.75	0.21	0.31
1986	17.4	6.0	7.1	3.4	7.1	0.75	1.41	0.70	0.20	0.35
1987	18.6	6.3	7.6	3.5	7.1	1.20	1.65	0.98	0.25	0.39
1988	17.1	6.0	7.5	3.6	7.5	1.41	2.36	1.16	0.78	0.83
1989	17.9	5.8	7.3	3.8	6.8	1.14	1.54	0.82	0.35	0.40
1990	16.4	5.7	7.5	3.1	6.6	1.25	1.53	0.79	0.31	0.36
1991	16.4	5.6	6.9	3.1	6.4	0.77	0.86	0.53	0.12	0.23
1992	16.4	5.6	6.9	3.3	6.7	0.97	1.47	0.63	0.17	0.29
1993	17.2	5.7	6.3	3.4	6.3	0.80	0.82	0.49	0.14	0.28
1994	18.4	5.5	8.2	3.4	6.7	0.61	1.01	0.57	0.15	0.25
1995	19.8	5.4	6.7	3.6	7.0	0.74	1.10	0.42	0.17	0.22
1996	17.1	6.0	7.3	3.3	7.4	0.40	0.81	0.34	0.06	0.07
1997	16.0	5.8	7.4	3.3	6.8	0.55	0.97	0.40	0.15	0.11
1998	15.3	5.7	7.6	3.5	7.1	0.40	1.06	0.38	0.12	0.12
1999	15.1	5.3	6.1	3.1	6.8	0.39	1.13	0.30	0.12	0.10
2000	15.4	5.9	6.9	2.9	7.6	0.38	0.86	0.26	0.14	0.10
2001	14.2	6.0	6.9	3.7	7.7	0.25	0.51	0.15	0.09	0.10
2002	13.4	5.5	6.8	3.6	7.3	0.25	0.55	0.10	0.08	0.10
2003	13.4	6.0	7.6	3.8	6.8	0.25	0.52	0.14	0.05	0.10
2004	16.0	5.7	6.7	3.3	6.6	0.36	0.52	0.14	0.07	0.10
1979-1995										
Average	18.3	5.7	7.3	3.5	6.9	0.98	1.18	0.70	0.28	0.37
1996-2003										
Average	15.0	5.8	7.1	3.4	7.2	0.4	0.8	0.3	0.1	0.1

^a Does not include processor bonuses, incentives, RSW, or postseason adjustments.

Appendix A6.—Number of limited entry permits and fishing effort in the Alaska Peninsula and Aleutian Islands Management Areas, 1975-2004.

Year	PURSE SEINE		DRIFT GILLNET			SET GILLNET		
	Area M	Area M	Area M	Area M	Area T	Area M	Area M	Area T
	Permits ^a	Permits ^b	Permits ^a	Permits ^b	Permits ^{bc}	Permits ^a	Permits ^b	Permits ^{bc}
	Available	Fished	Available	Fished	Fished	Available	Fished	Fished
1975	126	56	173	102	6	109	40	1
1976	114	90	155	118	10	115	53	6
1977	113	87	156	114	15	108	57	8
1978	123	115	158	133	26	113	61	8
1979	123	136	161	178	21	113	86	10
1980	126	126	163	157	25	113	88	16
1981	127	122	164	155	18	115	88	21
1982	127	119	164	159	23	115	94	18
1983	127	122	166	159	18	114	94	7
1984	126	121	165	158	44	113	103	15
1985	127	123	165	158	44	113	103	18
1986	125	121	165	163	37	114	100	7
1987	125	116	165	163	48	114	108	9
1988	124	114	163	162	59	114	106	14
1989	126	119	164	158	64	114	111	18
1990	126	121	164	166	63	114	114	15
1991	126	126	164	162	68	114	111	12
1992	125	119	164	161	102	114	111	18
1993	125	123	164	162	50	114	114	11
1994	124	118	164	164	77	114	108	9
1995	124	118	164	164	81	114	110	12
1996	124	102	164	164	32	114	110	6
1997	122	82	164	158	42	114	110	10
1998	122	79	164	159	60	113	112	7
1999	121	74	161	160	21	113	107	^d
2000	121	76	160	156	27	113	109	^d
2001	121	64	160	137	4	113	99	^d
2002	122	42	160	114	^d	113	92	0
2003	118	46	160	110	4	113	86	0
2004	122	42	161	117	^d	115	86	0
1994-2003								
AVG	122	80	162	149	35	113	104	5

^a Includes both permanent permits and interim use permits. It does not include interim-use permits of fishermen who qualified but did not request an interim-use permit. Also excluded from permits available, were permits revoked for reasons other than non-payment of fees and non-transferrable permanent permits revoked for non-payment of fees when the permit holder is known to be deceased. Permits available as defined in this table may be lower than the numbers published by Commercial Fisheries Entry Commission in their adjudication and permit reports.

^b Making at least one delivery during the year.

^c During a portion of the season, in specific sections, Area T set and drift gillnet fishermen are allowed to fish in portions of the Alaska Peninsula Area.

^d Confidentiality rules prohibit the release of this information.

Appendix A7.—Number of Area T permit holders fishing by general location in the Alaska Peninsula Area, 1984-2004.

Year	Drift Gillnet				Set Gillnet		
	Ilnik and Outer	Inner	Cinder	Total	Inner	Cinder	Total
	Port Heiden ^a	Port Heiden	River	Area T	Port Heiden	River	Area T
1984	8	19	25	52	4	11	15
1985	0	25	23	48	6	11	18
1986	13	23	1	37	7	0	7
1987	17	23	10	50	5	4	9
1988	22	28	18	68	7	7	14
1989	34	22	15	71	5	13	18
1990	0	28	39	67	5	11	15
1991	0	22	50	72	4	8	12
1992	0	20	85	105	4	14	18
1993	0	17	34	51	^b	8	^b
1994	0	18	59	77	^b	7	^b
1995	0	19	62	81	5	7	12
1996	0	0	32	32	0	6	6
1997	0	17	25	42	^b	7	^b
1998	0	10	50	60	^b	6	^b
1999	0	9	12	21	0	^b	^b
2000	0	12	15	27	^b	^b	^b
2001	0	0	4	4	0	^b	^b
2002	0	0	^b	^b	0	0	0
2003	0	0	4	4	0	0	0
2004	0	0	^b	^b	0	0	0

^a The Outer Port Heiden Section was closed to commercial salmon fishing and Area T permit holders were regulated out of the Ilnik Section except Ilnik Lagoon after 1989.

^b Confidentiality requirements prohibit releasing this information.

APPENDIX B: COMMERCIAL HARVEST DATA

Appendix B1.—Alaska Peninsula and Aleutian Islands commercial salmon harvest in numbers of fish by year, for the South Peninsula, North Peninsula, Aleutian Islands, and Atka-Amlia Areas, 1906-2003.

Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1906	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,500	135,000	0	0	0	136,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	135,000	0	0	0	136,500
1907	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,700	66,500	3,200	1,500	0	72,900
	Aleutian Islands	0	0	0	0	0	0
	Total	1,700	66,500	3,200	1,500	0	72,900
1908	South Peninsula	0	69,400	0	0	0	69,400
	North Peninsula	1,500	166,900	0	0	0	168,400
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	236,300	0	0	0	237,800
1909	South Peninsula	0	108,400	7,200	0	0	115,600
	North Peninsula	1,500	143,000	0	0	1,000	145,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	251,400	7,200	0	1,000	261,100
1910	South Peninsula	0	46,300	5,500	0	0	51,800
	North Peninsula	0	0	0	0	0	0
	Aleutian Islands	0	0	0	0	0	0
	Total	0	46,300	5,500	0	0	51,800
1911	South Peninsula	0	240,800	12,400	25,200	83,000	361,400
	North Peninsula	0	129,600	0	0	0	129,600
	Aleutian Islands	0	9,300	0	0	0	9,300
	Total	0	379,700	12,400	25,200	83,000	500,300
1912	South Peninsula	0	334,400	27,000	40,400	195,000	596,800
	North Peninsula	900	252,700	11,000	0	2,400	267,000
	Aleutian Islands	0	0	0	0	0	0
	Total	900	587,100	38,000	40,400	197,400	863,800
1913	South Peninsula	1,800	299,700	0	0	7,000	308,500
	North Peninsula	600	888,800	18,700	0	2,000	910,100
	Aleutian Islands	0	0	0	0	0	0
	Total	2,400	1,188,500	18,700	0	9,000	1,218,600
1914	South Peninsula	600	628,900	0	311,000	221,100	1,171,500
	North Peninsula	8,100	1,325,100	0	0	0	1,333,200
	Aleutian Islands	0	0	0	0	0	0
	Total	8,700	1,954,000	9,900	311,000	221,100	2,504,700
1915	South Peninsula	4,800	367,900	16,200	120,100	333,100	842,100
	North Peninsula	14,000	1,974,300	0	0	54,800	2,043,100
	Aleutian Islands	0	0	0	0	0	0
	Total	18,800	2,342,200	16,200	120,100	387,900	2,885,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1916	South Peninsula	6,800	730,900	34,100	576,100	508,900	1,856,800
	North Peninsula	44,200	1,974,700	0	2,600	191,400	2,212,900
	Aleutian Islands	0	76,500	1,200	180,300	100	258,100
	Total	51,000	2,782,100	35,300	759,000	700,400	4,327,800
1917	South Peninsula	6,400	1,486,100	4,600	72,100	415,500	1,984,700
	North Peninsula	20,000	679,600	6,800	600	90,300	797,300
	Aleutian Islands	0	70,400	3,800	600	23,100	97,900
	Total	26,400	2,236,100	15,200	73,300	528,900	2,879,900
1918	South Peninsula	8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,900
	North Peninsula	9,700	1,208,500	0	1,200	252,300	1,471,700
	Aleutian Islands	0	55,200	4,400	75,600	135,200	270,400
	Total	18,400	2,277,800	20,700	2,227,600	1,888,500	6,433,000
1919	South Peninsula	9,600	619,100	56,100	80,200	921,400	1,686,400
	North Peninsula	19,600	389,200	0	12,000	143,500	564,300
	Aleutian Islands	0	3,900	800	4,000	0	8,700
	Total	29,200	1,012,200	56,900	96,200	1,064,900	2,259,400
1920	South Peninsula	7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
	North Peninsula	19,000	1,371,900	0	0	37,000	1,427,900
	Aleutian Islands	0	10,100	2,800	0	0	12,900
	Total	26,800	2,524,300	50,500	2,109,800	971,000	5,682,400
1921	South Peninsula	700	830,700	1,500	47,300	84,600	964,800
	North Peninsula	12,500	1,746,500	0	0	32,800	1,791,800
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,577,200	1,500	47,300	117,400	2,756,600
1922	South Peninsula	6,900	3,376,800	2,200	756,700	349,300	4,491,900
	North Peninsula	10,400	667,900	0	0	42,900	721,200
	Aleutian Islands	0	14,000	0	0	0	14,000
	Total	17,300	4,058,700	2,200	756,700	392,200	5,227,100
1923	South Peninsula	4,100	1,827,200	75,300	143,600	538,900	2,589,100
	North Peninsula	9,100	731,700	100	0	25,800	766,700
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,558,900	75,400	143,600	564,700	3,355,800
1924	South Peninsula	3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
	North Peninsula	10,500	701,700	0	0	48,400	760,600
	Aleutian Islands	0	24,900	0	673,800	100	698,800
	Total	14,400	2,078,600	127,300	4,605,100	1,379,200	8,204,600
1925	South Peninsula	10,700	820,500	127,100	382,100	1,116,800	2,457,200
	North Peninsula	10,600	400,200	0	0	53,900	464,700
	Aleutian Islands	0	18,600	0	3,800	9,100	31,500
	Total	21,300	1,239,300	127,100	385,900	1,179,800	2,953,400
1926	South Peninsula	9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
	North Peninsula	23,900	672,900	0	0	71,500	768,300
	Aleutian Islands	0	1,300	0	521,700	7,800	530,800
	Total	33,400	3,745,700	193,800	4,241,400	1,259,100	9,473,400

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1927	South Peninsula	9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
	North Peninsula	16,500	230,600	100	0	87,000	334,200
	Aleutian Islands	0	17,300	0	334,600	0	351,900
	Total	26,100	962,600	125,400	1,790,100	1,386,700	4,290,900
1928	S.Pen & Aleutian	7,700	971,500	96,600	900,900	2,416,300	4,393,000
	North Peninsula	4,600	855,600	0	0	83,500	943,700
	Total	12,300	1,827,100	96,600	900,900	2,499,800	5,336,700
1929	S.Pen & Aleutian	10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
	North Peninsula	4,100	878,000	0	0	145,200	1,027,300
	Total	14,600	1,813,800	84,500	1,793,500	2,574,200	6,280,600
1930	S.Pen & Aleutian	10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
	North Peninsula	3,800	167,700	0	0	93,400	265,200
	Total	14,700	1,102,900	161,100	6,094,800	1,371,800	8,745,300
1931	S.Pen & Aleutian	11,000	1,863,200	128,700	997,900	1,216,000	4,211,800
	North Peninsula	1,300	761,000	0	0	54,900	817,200
	Total	12,300	2,624,200	128,700	997,900	1,265,900	5,029,000
1932	S.Pen & Aleutian	17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
	North Peninsula	3,200	977,100	0	0	56,300	1,036,600
	Total	20,600	3,954,400	112,300	3,604,800	873,600	8,565,700
1933	S.Pen & Aleutian	12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
	North Peninsula	1,100	350,100	0	0	16,000	367,200
	Total	13,700	2,346,800	190,000	3,109,200	1,189,900	6,849,600
1934	S.Pen & Aleutian	17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
	North Peninsula	1,600	1,091,300	0	400	13,000	1,106,300
	Total	19,200	2,463,700	247,100	6,538,900	1,953,300	11,222,200
1935	S.Pen & Aleutian	13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
	North Peninsula	1,000	479,200	0	100	33,800	514,100
	Total	14,900	1,457,600	117,200	5,386,300	2,036,900	9,012,900
1936	S.Pen & Aleutian	14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
	North Peninsula	1,000	610,700	0	2,800	19,000	633,500
	Total	15,400	4,273,300	284,600	9,473,800	2,329,900	16,377,000
1937	S.Pen & Aleutian	9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
	North Peninsula	1,600	860,900	0	100	65,600	928,200
	Total	10,900	2,418,900	73,900	9,302,100	1,572,300	13,378,100
1938	S.Pen & Aleutian	6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
	North Peninsula	5,900	1,009,600	0	0	34,700	1,050,200
	Total	12,300	1,781,700	220,700	7,169,100	1,511,300	10,695,100
1939	S.Pen & Aleutian	16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
	North Peninsula	3,900	746,200	0	0	82,200	832,300
	Total	20,400	2,527,900	98,900	6,005,300	1,522,800	10,275,300
1940	S.Pen & Aleutian	9,100	1,040,300	184,200	7,182,800	2,326,300	10,472,700
	North Peninsula	700	678,900	0	0	65,600	745,200
	Total	9,800	1,719,200	184,200	7,182,800	2,391,900	11,487,900

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1941	S.Pen & Aleutian	13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,800
	North Peninsula	700	491,700	0	3,200	30,200	525,800
	Total	13,700	1,563,700	183,000	5,350,200	1,572,200	8,682,800
1942	S.Pen & Aleutian	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
	North Peninsula	0	0	0	0	0	0
	Total	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943	S.Pen & Aleutian	21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
	North Peninsula	200	567,400	0	1,300	50,400	619,300
	Total	21,900	2,965,100	90,600	4,361,500	974,900	8,414,000
1944	S.Pen & Aleutian	9,900	538,600	238,700	2,653,800	985,600	4,426,600
	North Peninsula	100	414,700	0	2,600	157,900	575,300
	Total	10,000	953,300	238,700	2,656,400	1,143,500	5,001,900
1945	S.Pen & Aleutian	21,400	813,400	116,100	3,639,600	948,900	5,539,400
	North Peninsula	100	394,400	0	2,500	335,100	732,100
	Total	21,500	1,207,800	116,100	3,642,100	1,284,000	6,271,500
1946	S.Pen & Aleutian	6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
	North Peninsula	2,500	697,700	300	0	36,000	736,500
	Total	8,600	1,450,000	151,700	1,964,000	1,255,900	4,830,200
1947	S.Pen & Aleutian	3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
	North Peninsula	100	357,700	100	100	75,000	433,000
	Total	3,500	1,491,800	55,900	2,319,700	1,294,200	5,168,100
1948	S.Pen & Aleutian	1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
	North Peninsula	1,200	477,600	17,200	0	161,700	658,700
	Total	3,400	763,500	56,400	1,683,700	1,301,300	3,808,300
1949	S.Pen & Aleutian	3,800	637,500	19,500	1,544,000	560,900	2,765,700
	North Peninsula	700	137,100	25,700	0	40,700	204,200
	Total	4,500	774,600	45,200	1,544,000	601,600	2,969,900
1950	S.Pen & Aleutian	4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
	North Peninsula	1,100	127,800	37,800	0	217,600	284,300
	Total	5,100	1,873,100	108,500	1,613,700	780,100	4,380,500
1951	South Peninsula	1,500	264,200	55,700	2,844,800	683,100	3,849,300
	North Peninsula	1,200	358,900	32,900	20,400	203,000	616,400
	Aleutians	0	11,700	400	500	94,500	107,100
	Total	2700	634,800	89000	2865700	980,600	4,572,800
1952	South Peninsula	9,200	894,500	39,200	908,500	1,040,800	2,892,200
	North Peninsula	700	354,800	54,200	1,400	246,900	658,000
	Aleutian Islands	200	42,800	0	31,800	25,700	100,500
	Total	10,100	1,292,100	93,400	941,700	1,313,400	3,650,700
1953	South Peninsula	7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
	North Peninsula	800	537,300	26,200	18,300	224,400	807,000
	Aleutian Islands	0	4,200	500	69,200	800	74,700
	Total	8,000	1,580,700	74,600	2,831,400	1,689,800	6,184,500

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1954	South Peninsula	4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
	North Peninsula	3,400	354,700	35,000	18,500	405,000	816,600
	Aleutian Islands	0	6,300	800	566,500	200	573,800
	Total	7,600	997,300	85,200	2,618,300	1,818,600	5,527,000
1955	South Peninsula	5,400	550,100	44,800	2,529,200	688,200	3,817,700
	North Peninsula	4,100	586,600	6,200	900	129,600	727,400
	Aleutian Islands	0	12,600	100	31,100	400	44,200
	Total	9,500	1,149,300	51,100	2,561,200	818,200	4,589,300
1956	South Peninsula	4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
	North Peninsula	4,200	1,370,900	8,200	28,500	427,400	1,839,200
	Aleutian Islands	0	400	0	33,900	0	34,300
	Total	9,000	2,012,700	70,100	2,803,100	2,046,100	6,941,000
1957	South Peninsula	5,800	341,900	49,900	913,100	1,281,400	2,592,100
	North Peninsula	1,000	327,900	18,300	3,300	274,900	625,400
	Aleutian Islands	2,300	27,300	100	500	13,900	44,100
	Total	9,100	697,100	68,300	916,900	1,570,200	3,261,600
1958	South Peninsula	800	186,100	70,600	1,385,200	841,000	2,483,700
	North Peninsula	15,000	473,800	57,100	60,400	254,800	861,100
	Aleutian Islands	0	300	0	613,200	3,700	617,200
	Total	15,800	660,200	127,700	2,058,800	1,099,500	3,962,000
1959	South Peninsula	900	217,500	8,500	915,600	711,700	1,854,200
	North Peninsula	28,700	634,900	59,100	9,600	404,700	1,137,000
	Aleutian Islands	0	6,100	0	12,000	100	18,200
	Total	29,600	858,500	67,600	937,200	1,116,500	3,009,400
1960	South Peninsula	1,700	379,000	1,800	1,197,500	904,400	2,484,400
	North Peninsula	10,400	692,800	44,000	34,700	607,200	1,389,100
	Aleutian Islands	0	7,600	0	444,900	300	452,800
	Total	12,100	1,079,400	45,800	1,677,100	1,511,900	4,326,300
1961	South Peninsula	900	456,800	10,400	1,727,800	748,600	2,944,500
	North Peninsula	6,100	387,700	24,600	3,000	153,300	574,700
	Aleutian Islands	0	2,700	0	94,000	200	96,900
	Total	7,000	847,200	35,000	1,824,800	902,100	3,616,100
1962	South Peninsula	3,300	420,000	12,500	1,965,500	824,800	3,226,100
	North Peninsula	5,400	249,700	35,200	31,200	34,900	356,400
	Aleutian Islands	0	5,500	100	2,001,700	1,200	2,008,500
	Total	8,700	675,200	47,800	3,998,400	860,900	5,591,000
1963	South Peninsula	1,900	204,400	16,500	2,367,700	461,300	3,051,800
	North Peninsula	3,600	225,200	40,500	6,900	49,900	326,100
	Aleutian Islands	0	4,500	0	93,900	300	98,700
	Total	5,500	434,100	57,000	2,468,500	511,500	3,476,600
1964	South Peninsula	2,000	370,800	13,600	2,740,400	751,000	3,877,800
	North Peninsula	3,600	250,800	36,600	6,800	139,000	436,800
	Aleutian Islands	0	200	0	194,100	2,300	196,600
	Total	5,600	621,800	50,200	2,941,300	892,300	4,511,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1965	South Peninsula	2,100	915,700	34,200	2,884,100	556,400	4,392,500
	North Peninsula	6,100	199,500	34,500	2,100	69,700	311,900
	Aleutian Islands	0	0	0	0	0	0
	Total	8,200	1,115,200	68,700	2,886,200	626,100	4,704,400
1966	South Peninsula	1,400	606,200	6,300	302,300	494,400	1,410,600
	North Peninsula	5,600	245,300	37,300	16,000	82,800	387,000
	Aleutian Islands	0	1,000	0	63,500	700	65,200
	Total	7,000	852,500	43,600	381,800	577,900	1,862,800
1967	South Peninsula	1,600	294,100	2,900	77,800	245,200	621,600
	North Peninsula	5,500	224,700	46,800	700	41,300	319,000
	Aleutians	0	200	0	7,900	0	8,100
	Total	7,100	519,000	49,700	86,400	286,500	948,700
1968	South Peninsula	1,400	699,800	31,100	1,287,100	325,300	2,344,700
	North Peninsula	4,500	237,100	64,900	200	73,500	380,200
	Aleutian Islands	0	2,000	100	902,800	800	905,700
	Total	5,900	938,900	96,100	2,190,100	399,600	3,630,600
1969	South Peninsula	1,900	912,800	10,900	1,219,400	389,200	2,534,200
	North Peninsula	4,800	321,300	49,100	100	28,100	403,400
	Aleutian Islands	0	1,900	0	242,200	1,500	245,600
	Total	6,700	1,236,000	60,000	1,461,700	418,800	3,183,200
1970	South Peninsula	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
	North Peninsula	3,829	187,793	26,327	7,904	47,989	273,842
	Aleutian Islands	6	208	135	644,121	3,029	647,499
	Total	5,644	1,967,526	59,033	2,390,010	1,044,367	5,466,580
1971	South Peninsula	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
	North Peninsula	2,187	353,784	8,222	297	64,154	428,644
	Aleutian Islands	0	333	2	45,114	58	45,507
	Total	4,361	1,070,204	25,131	1,490,442	1,430,169	4,020,307
1972	South Peninsula	1,332	557,422	8,021	78,221	731,814	1,376,810
	North Peninsula	1,790	179,325	9,684	129	84,687	275,615
	Aleutian Islands	0	69	1	2,784	6	2,860
	Total	3,122	736,816	17,706	81,134	816,507	1,655,285
1973	South Peninsula	415	330,091	6,599	58,051	292,943	688,099
	North Peninsula	2,569	165,388	19,776	143	152,773	340,649
	Aleutian Islands	0	0	0	2,042	0	2,042
	Total	3,042	495,481	26,375	60,236	445,716	1,030,850
1974	South Peninsula	581	197,153	9,366	100,601	71,826	379,527
	North Peninsula	2,710	246,209	16,799	10,599	34,417	310,734
	Aleutian Islands	0	0	0	0	0	0
	Total	3,301	443,362	26,165	111,200	106,243	690,271
1975	South Peninsula	117	243,548	67	60,642	130,750	435,124
	North Peninsula	2,093	233,293	28,349	295	8,770	272,800
	Aleutian Islands	0	19,402	0	659	1,881	21,942
	Total	2,210	496,243	28,422	61,596	141,401	729,872

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1976	South Peninsula	2,196	375,027	216	2,366,833	532,503	3,276,775
	North Peninsula	4,947	641,134	26,061	672	73,589	746,403
	Aleutian Islands	0	0	0	0	0	0
	Total	7,149	1,016,161	26,277	2,367,505	606,092	4,023,184
1977	South Peninsula	559	311,722	2,108	1,448,648	243,167	2,006,204
	North Peninsula	5,489	472,006	34,137	888	129,168	641,688
	Aleutian Islands	0	0	0	0	0	0
	Total	6,048	783,728	36,245	1,449,536	372,335	2,647,892
1978	South Peninsula	773	579,411	60,774	5,590,145	546,182	6,777,285
	North Peninsula	13,524	896,616	63,341	485,224	163,804	1,622,509
	Aleutian Islands	0	1,829	0	38,109	6	39,944
	Total	15,031	1,477,856	124,115	6,113,478	709,992	8,440,472
1979	South Peninsula	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
	North Peninsula	15,704	1,979,167	112,835	4,994	65,711	2,178,411
	Aleutian Islands	0	12,206	0	539,393	242	551,841
	Total	19,248	3,141,300	469,702	7,109,301	548,883	11,288,434
1980	South Peninsula	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
	North Peninsula	16,627	1,397,118	127,878	301,672	700,196	2,543,491
	Aleutian Islands	2	9,226	2	2,597,461	4,874	2,611,565
	Total	21,601	5,019,370	402,061	10,760,603	2,058,183	18,261,818
1981	South Peninsula	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
	North Peninsula	18,385	1,844,335	155,420	11,217	706,818	2,736,175
	Aleutian Islands	16	5,430	188	302,786	6,553	314,973
	Total	30,073	4,091,278	317,831	5,347,031	2,481,846	12,268,059
1982	South Peninsula	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
	North Peninsula	29,770	1,435,277	238,016	12,321	331,133	2,046,517
	Aleutian Islands	0	2,672	28	1,447,818	6,148	1,456,666
	Total	39,958	3,783,933	494,090	8,195,044	2,609,776	15,122,801
1983	South Peninsula	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
	North Peninsula	29,006	2,090,142	75,138	3,404	348,307	2,545,997
	Aleutian Islands	0	4,405	0	2,005	11,361	17,771
	Total	56,050	4,654,336	202,795	2,833,031	2,064,155	9,810,367
1984 ^b	South Peninsula	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
	North Peninsula	22,747	1,734,851	198,582	27,419	796,723	2,780,322
	Aleutian Islands	26	67,163	1,923	2,309,665	32,025	2,410,802
	Total	32,190	4,120,047	511,455	13,926,342	2,483,375	21,073,409
1985	South Peninsula	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
	North Peninsula	23,403	2,596,073	176,118	3,054	666,616	3,465,264
	Aleutian Islands	40	2,750	0	90	14,175	17,055
	Total	30,210	4,743,247	348,632	4,434,160	2,029,532	11,585,781
1986	South Peninsula	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
	North Peninsula	11,735	2,463,734	164,071	22,630	271,216	2,933,386
	Aleutian Islands	11	7,702	60	42,621	38,819	89,213
	Total	17,340	3,694,526	399,985	4,096,738	2,059,686	10,268,275

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1987	South Peninsula	9,174	1,449,753	225,120	1,208,556	1,375,887	4,268,490
	North Peninsula	14,186	1,209,435	171,784	3,486	368,696	1,767,587
	Aleutian Islands	0	75	0	0	0	75
	Total	23,360	2,659,263	396,904	1,212,042	1,744,583	6,036,152
1988	South Peninsula	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
	North Peninsula	16,721	1,528,107	233,966	65,242	393,075	2,237,111
	Aleutian Islands	0	4,315	7	183,109	450	187,881
	Total	27,880	3,006,082	739,506	7,293,175	2,302,034	13,368,677
1989	South Peninsula	7,009	2,659,101	441,397	7,289,130	993,492	11,390,129
	North Peninsula	10,698	1,718,001	227,551	4,103	156,992	2,117,345
	Aleutian Islands	0	8,248	0	6,700	0	14,948
	Total	18,013	4,387,764	671,394	7,303,461	1,151,408	13,532,040
1990	South Peninsula	16,497	2,385,560	305,510	2,861,283	1,234,679	6,803,529
	North Peninsula	12,320	2,416,047	192,978	517,724	126,113	3,265,182
	Aleutian Islands	2	12,435	74	282,823	1,038	296,372
	Total	28,844	4,815,326	500,270	3,666,403	1,364,977	10,375,820
1991	South Peninsula	7,510	2,304,531	313,223	10,596,596	1,573,773	14,795,633
	North Peninsula	9,359	2,931,406	218,274	4,249	191,278	2,814,566
	Aleutian Islands	0	796	0	0	0	796
	Total	17,347	4,712,149	535,403	10,621,005	1,780,078	17,665,982
1992	South Peninsula	7,933	3,438,875	414,948	9,759,657	1,310,337	14,931,750
	North Peninsula	13,136	3,575,507	206,813	194,395	341,616	4,331,467
	Aleutian Islands	0	3,082	0	312,072	1,230	316,384
	Atka-Amlia	0	231	42	7,972	308	8,553
	Total	21,069	7,017,695	621,803	10,274,096	1,653,491	19,588,154
1993	South Peninsula	14,083	3,682,604	215,256	9,925,123	1,046,407	14,883,473
	North Peninsula	22,417	3,866,479	64,376	5,328	134,957	4,093,557
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	24	4	145	563	736
	Total	36,500	7,549,107	279,636	9,930,596	1,181,927	18,977,766
1994	South Peninsula	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782
	North Peninsula	18,508	1,783,156	241,913	226,315	83,897	3,353,789
	Aleutian Islands	0	47	6	858,787	617	859,457
	Atka-Amlia	0	16	0	896	0	912
	Total	27,982	3,874,228	493,605	10,229,701	2,263,424	17,888,940
1995	South Peninsula	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777
	North Peninsula	7,540	3,272,748	135,639	12,171	99,293	3,527,391
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	24,618	6,269,101	396,325	16,314,764	1,814,360	24,819,168
1996	South Peninsula	5,071	1,528,587	278,191	2,187,239	775,057	4,774,145
	North Peninsula	4,941	1,911,126	157,313	53,842	67,956	2,195,178
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	20	0	20
	Total	10,012	3,439,713	435,504	2,241,101	843,013	6,969,343

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1997	South Peninsula	7,163	2,258,189	112,432	2,303,926	606,254	5,287,964
	North Peninsula	10,352	2,151,010	94,776	50,701	97,380	2,404,219
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,515	4,409,199	207,208	2,354,627	703,634	7,692,183
1998	South Peninsula	4,796	2,170,803	154,170	8,040,681	711,526	11,081,976
	North Peninsula	5,288	1,087,552	134,724	34,810	69,516	1,332,530
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,084	3,258,355	288,894	8,075,491	781,042	12,414,506
1999	South Peninsula	4,815	2,948,267	192,485	8,443,343	816,966	12,405,876
	North Peninsula	4,886	1,783,804	53,907	4,367	50,120	1,897,084
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	9,701	4,732,071	246,392	8,447,710	867,086	14,302,960
2000	South Peninsula	5,104	1,984,576	257,146	3,549,545	1,055,316	6,851,687
	North Peninsula	3,904	1,968,882	83,655	34,373	93,696	2,184,510
	Aleutian Islands	1	0	59	256,050	0	256,110
	Atka-Amlia	0	0	0	0	0	0
	Total	9,009	3,953,458	340,860	3,839,968	1,149,012	9,292,307
2001	South Peninsula	2,302	607,756	210,899	4,012,057	921,986	5,755,000
	North Peninsula	4,412	1,147,030	22,162	12,469	174,523	1,360,596
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	6,714	1,754,786	233,061	4,024,526	1,096,509	7,115,596
2002	South Peninsula	6,399	1,035,232	202,717	2,170,376	819,030	4,233,754
	North Peninsula	3,852	1,415,872	28,751	21,461	51,040	1,520,976
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,251	2,451,104	231,468	2,191,837	870,070	5,754,730
2003	South Peninsula	2,712	1,054,208	131,097	4,258,274	637,305	6,083,596
	North Peninsula	4,545	1,477,391	53,137	18,624	38,755	1,592,452
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	7,257	2,531,599	184,234	4,276,898	676,060	7,676,048
2004	South Peninsula	7,050	2,199,944	235,600	6,665,831	790,108	9,898,533
	North Peninsula	10,402	2,433,778	33,920	15,828	14,958	2,508,886
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,452	4,633,722	269,520	6,681,659	805,066	12,407,419
1994-2003	South Peninsula	6,491	1,867,498	205,151	6,041,174	1,023,742	9,144,056
	North Peninsula	6,823	1,799,857	100,598	46,913	82,618	2,136,873
Avg.	Aleutian Islands	0	5	7	111,484	62	111,557
	Atka-Amlia	0	2	0	92	0	93
	Total	13,314	3,667,361	305,755	6,199,662	1,106,421	11,292,514

^a Does not include test fish catches.

^b During June 18, 1984 fisherman harvested 23 Chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon were harvested in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed by the Alaska Board of Fisheries closing the Unimak Pass area to commercial salmon fishing until at least July 10.

Appendix B2.-Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas commercial salmon harvest in numbers of fish by statistical area, section, and district, 2004.

Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTH PENINSULA							
SOUTHEASTERN DISTRICT							
281-15, 281-25, & 281-30							
East Stepovak & Stepovak Flats Sections		587	83,190	28,855	137,303	19,685	269,620
281-40	Grub Gulch/Clark Bay	115	31,274	1,140	13,756	1,507	47,792
281-50	Orzinski Bay	39	41,511	162	11,038	380	53,130
281-55	American Bay	19	29,303	2,613	38,478	2,584	72,997
281-62	Chichagof & Windbound Bays	85	45,463	2,997	17,917	3,868	70,330
281-65	Suzy Creek- West Cove	15	14,674	339	13,556	607	29,191
281-67	Dornoi Bay	0	71	139	80,343	0	80,553
Northwest Stepovak Section Total		273	162,296	7,390	175,088	8,946	353,993
281-70	Southwest Stepovak Section	111	35,057	9,585	114,028	7,160	165,941
281-80	Balboa Bay Section	17	11,421	5,234	41,663	4,008	62,343
281-90	Beaver Bay Section	0	106	0	0	13	119
282-10	Popof Strait/Squaw Harbor	50	30,076	272	48,550	2,908	81,856
282-11	Unga Cape/East Popof	4,187	610,998	81,735	811,720	353,399	1,862,039
282-20	Acheredin Bay	89	56,859	5,868	75,126	10,290	148,232
282-25	West Unga Island	105	80,889	11,647	130,407	14,420	237,468
282-30	Bay Point	0	0	0	8,884	1,494	10,378
282-32	Outer Zachary Bay	0	579	0	0	24	603
282-35	Inner Zachary Bay	3	2,146	2	74,984	1,692	78,827
282-40	East Head/West Head	15	9,832	70	4,201	7,046	21,164
282-42	Korovin Island	501	145,517	1,416	48,202	71,098	266,734
282-50		0	672	31	37	38	778
282-65 & 282-80							
East side of Nagai Island		129	65,441	27,042	718,999	22,999	834,610
282-70 & 282-75							
West side of Nagai Island		234	84,187	34,183	761,083	32,116	911,803
Shumagin Islands Section Total		5,313	1,087,196	162,266	2,682,193	517,524	4,454,492
SOUTHEASTERN DISTRICT TOTAL		6,301	1,379,266	213,330	3,150,275	557,336	5,306,508
SOUTH CENTRAL DISTRICT							
283-17 Mino Creek-Little Coal Bay Section		1	17,077	38	542,283	5,033	564,432
283-21, 283-23, & 283-24							
East Pavlof & Canoe Bay Sections		13	70,549	207	1,581,850	29,155	1,681,774

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
283-25 & 283-26	West Pavlof Bay Section	46	24,220	1,974	113,590	6,235	146,065
<i>SOUTH CENTRAL DISTRICT TOTAL</i>		60	111,846	2,219	2,237,723	40,423	2,392,271
<i>SOUTHWESTERN DISTRICT</i>							
284-36	Volcano Bay	0	705	71	27,874	26,613	55,263
284-37 & 284-39							
North Dolgoi/Poperechnoi		140	198,436	9,966	204,536	14,735	427,813
284-38	South Dolgoi/Moss Cape	1	3,777	471	207,949	2,622	214,820
Volcano Bay Section Total		141	202,918	10,508	440,359	43,970	697,896
284-42 & 284-45	Belkofski Bay Section	2	2,365	42	255,847	1,968	260,224
284-55	Deer Island Section	0	141	0	444,683	0	444,824
284-62	Outer Cold Bay	0	3,962	50	742	572	5,326
284-65	Lenard Harbor	0	45	0	27,844	8,520	36,409
284-67	Inner Cold Bay	0	0	0	0	0	0
Cold Bay Section Total		0	4,007	50	28,586	9,092	41,735
284-75	Thin Point Section	0	54,397	0	1,887	114	56,398
284-80	Morzhovoi Bay Section	0	7,883	0	254	3,220	11,357
284-90	Ikatan Bay Section	184	151,915	9,451	91,038	41,751	294,339
<i>SOUTHWESTERN DISTRICT TOTAL</i>		327	423,626	20,051	1,262,654	100,115	1,806,773
<i>UNIMAK DISTRICT</i>							
285-20	Bird Island	90	133,605	0	5,076	43,605	182,376
285-30	Cape Lazaref	43	88,409	0	5,413	27,160	121,025
Otter Cove Section Total		133	222,014	0	10,489	70,765	303,401
285-40	Cape Lutke Section	229	63,192	0	4,690	21,469	89,580
<i>UNIMAK DISTRICT TOTAL</i>		362	285,206	0	15,179	92,234	392,981
SOUTH PENINSULA TOTAL		7,050	2,199,944	235,600	6,665,831	790,108	9,898,533
ALEUTIAN ISLANDS AREA (no fishery)		0	0	0	0	0	0
ATKA-AMLIA ISLANDS AREA (no fishery)		0	0	0	0	0	0

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Statistical		Number of Salmon ^a					
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	Total
NORTH PENINSULA							
NORTHWESTERN DISTRICT							
311-32	Urilia Bay Section	2	71,305	0	366	536	72,209
311-52 & 311-60							
Swanson Lagoon & Bechevin Bay Sections		0	3,485	0	9,740	589	13,814
311-58, 312-20, & 312-40							
Izembek-Moffet Bay Section		0	23,629	15	1,328	5,353	30,325
NORTHWESTERN DISTRICT TOTAL							
		2	98,419	15	11,434	6,478	116,348
NORTHERN DISTRICT							
313-10	Black Hills Section	4	17,604	356	46	665	18,675
313-30	Nelson Lagoon Section	3,016	527,637	29,879	231	2,810	563,573
314-12, 315-11, & 315-20							
Port Moller Bight & Bear River Sections		5,429	611,147	1,743	595	2,727	621,641
316-10	Three Hills Section	141	63,935	944	147	324	65,491
316-20	Outside Ilnik	1,003	668,890	636	1,660	983	673,172
316-25	Strogonof Point	807	446,146	13	1,715	971	449,652
Ilnik Section Total		1,810	1,115,036	649	3,375	1,954	1,122,824
318-20	Cinder River Section	0	0	334	0	0	334
NORTHERN DISTRICT TOTAL							
		10,400	2,335,359	33,905	4,394	8,480	2,392,538
NORTH PENINSULA TOTAL							
		10,402	2,433,778	33,920	15,828	14,958	2,508,886
ALASKA PENINSULA AREA TOTAL							
		17,452	4,633,722	269,520	6,681,659	805,066	12,407,419
ALASKA PENINSULA, ALEUTIAN ISLANDS, AND ATKA-AMLIA							
ISLANDS AREAS TOTAL		17,452	4,633,722	269,520	6,681,659	805,066	12,407,419

^a Harvests do not include test fish catches.

Appendix B3.—Alaska Peninsula and Aleutian Islands Areas commercial salmon harvest by gear, species, and estimated value, 2004.

	Chinook		Sockeye		Coho		Pink		Chum		Total	
	Number of fish	Est. Value (\$)	Number of fish	Est. Value (\$)	Number of fish	Est. Value (\$)	Number of fish	Est. Value (\$)	Number of fish	Est. Value (\$)	Number of fish	Est. Value (\$)
Area M												
Seine	5,715	37,019	1,196,843	3,439,099	175,323	125,000	6,407,589	1,456,300	615,368	407,504	8,400,838	5,464,922
Drift Gillnet	8,836	47,700	2,388,005	7,104,216	30,585	46,710	41,454	7,400	122,936	74,380	2,591,816	7,280,406
Set Gillnet	2,901	15,000	1,048,874	3,341,111	63,278	79,000	738,469	51,030	66,762	46,077	1,920,284	3,532,218
Total	17,452	99,719	4,633,722	13,884,426	269,186	250,710	7,187,512	1,514,730	805,066	527,961	12,912,938	16,277,546
Area T												
Drift Gillnet	0	0	0	0	334	1,500	0	0	0	0	334	1,500
Set Gillnet	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	334	1,500	0	0	0	0	334	1,500
Grand Total												
Seine	5,715	37,019	1,196,843	3,439,099	175,323	125,000	6,407,589	1,456,300	615,368	407,504	8,400,838	5,464,922
Drift Gillnet	8,836	47,700	2,388,005	7,104,216	30,919	48,210	41,454	7,400	122,936	74,380	2,592,150	7,281,906
Set Gillnet	2,901	15,000	1,048,874	3,341,111	63,278	79,000	738,469	51,030	66,762	46,077	1,920,284	3,532,218
Total	17,452	99,719	4,633,722	13,884,426	269,520	252,210	7,187,512	1,514,730	805,066	527,961	12,913,272	16,279,046

^a Figures do not include test fish catches, bonuses, or RSW adjustments.

Appendix B4.—Alaska Peninsula Area salmon test fish catches, 1989-2004.

Year		Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1989	Shumagin Islands	56	1,699	2,446	3,528	739	8,468
	Total South Peninsula	56	1,699	2,446	0	739	4,940
	North Peninsula	6	638	0	0	97	741
	Alaska Peninsula Area Total	62	2,337	2,446	3,528	836	9,209
1990	Shumagin Islands	25	1,284	1,708	4,573	3,147	10,737
	Total South Peninsula	25	1,284	1,708	4,573	3,147	10,737
	Alaska Peninsula Area Total	25	1,284	1,708	4,573	3,147	10,737
1991	Shumagin Islands	465	15,034	3,906	20,160	14,716	54,281
	South Unimak	0	377	0	0	306	683
	Total South Peninsula	465	15,411	3,906	20,160	15,022	54,964
	Alaska Peninsula Area Total	465	15,411	3,906	20,160	15,022	54,964
1992	Shumagin Islands	93	7,039	3,284	10,729	6,372	27,517
	Total South Peninsula	93	7,039	3,284	10,729	6,372	27,517
	Alaska Peninsula Area Total	93	7,039	3,284	10,729	6,372	27,517
1993	Shumagin Islands	330	6,470	4,892	2,984	1,850	16,526
	Total South Peninsula	330	6,470	4,892	2,984	1,850	16,526
	Alaska Peninsula Area Total	330	6,470	4,892	2,984	1,850	16,526
1994	Shumagin Islands	528	16,224	4,219	36,150	13,169	70,290
	Total South Peninsula	528	16,224	4,219	36,150	13,169	70,290
	Alaska Peninsula Area Total	528	16,224	4,219	36,150	13,169	70,290
1995	Shumagin Islands	290	13,410	3,660	9,072	10,005	36,437
	South Unimak	101	7,239	1	105	2,941	10,387
	Total South Peninsula	391	20,649	3,661	9,177	12,946	46,824
	Alaska Peninsula Area Total	391	20,649	3,661	9,177	12,946	46,824
1996	Shumagin Islands	375	9,049	15,183	15,261	14,372	54,240
	South Unimak	80	6,055	0	2,594	4,250	12,979
	Total South Peninsula	455	15,104	15,183	17,855	18,622	67,219
	Alaska Peninsula Area Total	455	15,104	15,183	17,855	18,622	67,219
1997	Shumagin Islands	429	11,226	3,594	8,158	10,407	33,814
	South Unimak	188	11,224	3	3,976	10,682	26,073
	Total South Peninsula	617	22,450	3,597	12,134	21,089	59,887
	Alaska Peninsula Area Total	617	22,450	3,597	12,134	21,089	59,887
1998	Shumagin Islands	28	4,581	24	2,093	3,257	9,983
	South Unimak	95	8,392	0	5,224	6,285	19,996
	Total South Peninsula	123	12,973	24	7,317	9,542	29,979
	Alaska Peninsula Area Total	123	12,973	24	7,317	9,542	29,979

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Year		Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1999	Shumagin Islands	119	33,513	18	13,045	19,808	66,503
	South Unimak	140	10,039	0	61	3,256	13,496
	Total South Peninsula	259	43,552	18	13,106	23,064	79,999
	Alaska Peninsula Area Total	259	43,552	18	13,106	23,064	79,999
2000	Shumagin Islands	65	9,225	99	5,385	5,790	20,564
	South Unimak	276	12,686	0	7,936	5,547	26,445
	Total South Peninsula	341	21,911	99	13,321	11,337	47,009
	North Peninsula	0	1,482	1	2	4	1,489
	Alaska Peninsula Area Total	341	23,393	100	13,323	11,341	48,498
2001	Shumagin Islands	318	6,258	3,353	9,382	10,772	30,083
	Total South Peninsula	318	6,258	3,353	9,382	10,772	30,083
	North Peninsula	13	4,363	2	10	62	4,450
	Alaska Peninsula Area Total	331	10,621	3,355	9,392	10,834	34,533
2002	Shumagin Islands	29	1,020	11	443	1,227	2,730
	Total South Peninsula	29	1,020	11	443	1,227	2,730
	North Peninsula	0	6,021	14	41	169	6,245
	Alaska Peninsula Area Total	29	7,041	25	484	1,396	8,975
2003	Shumagin Islands	26	819	1,279	4,646	2,275	9,045
	Total South Peninsula	26	819	1,279	4,646	2,275	9,045
	North Peninsula	1	5,785	10	99	178	6,073
	Alaska Peninsula Area Total	27	6,604	1,289	4,745	2,453	15,118
2004	Shumagin Islands	81	507	542	1,131	1,827	4,088
	South Unimak	0	5,845	0	14,485	2,724	23,054
	Total South Peninsula	81	6,352	542	15,616	4,551	27,142
	North Peninsula	0	3,874	35	108	87	4,104
	Alaska Peninsula Area Total	81	10,226	577	15,724	4,638	31,246

^a Number of adult salmon.

APPENDIX C: SUBSISTENCE HARVEST DATA

Appendix C1.—Estimated subsistence salmon harvest by community and species, in number of fish, Alaska Peninsula Management Area and Unalaska Island, 1985-2004.

Year	Permits	Estimated Harvest					
	Issued	Chinook	Sockeye	Coho	Pink	Chum	Total
SAND POINT RESIDENTS							
1985	60	30	1,410	1,686	420	1,146	4,692
1986	75	45	2,505	1,208	1,560	1,005	6,323
1987	84	87	2,018	1,508	1,160	1,114	5,887
1988	74	146	2,694	853	1,326	1,175	6,194
1989	86	53	6,347	1,050	731	1,149	9,330
1990	80	160	5,648	620	429	1,051	7,908
1991	84	420	6,636	1,092	1,260	2,772	12,180
1992	76	318	4,733	518	1,228	1,036	7,833
1993	76	446	6,435	952	671	996	9,500
1994	92	454	5,838	1,890	1,369	3,100	12,651
1995	73	271	5,993	983	1,597	1,274	10,118
1996	80	200	5,269	1,813	1,843	1,724	10,849
1997	67	315	7,043	788	1,953	1,663	11,762
1998	59	224	4,383	1,040	920	868	7,435
1999	52	254	4,907	442	898	1,053	7,554
2000	61	184	4,488	704	734	979	7,089
2001	61	191	4,653	880	827	1,500	8,051
2002	29	76	1,679	319	416	994	3,484
2003	30	175	2,093	250	505	1,123	4,146
2004	22	94	1,832	148	352	314	2,740
1999-2003 AVG	47	176	3,564	519	676	1,130	6,111
KING COVE RESIDENTS							
1985	39	0	784	3,292	105	20	4,201
1986	24	2	1,834	919	14	120	2,889
1987	39	3	2,320	1,662	206	334	4,525
1988	28	3	555	2,855	265	43	3,721
1989	39	3	1,982	1,973	294	690	4,942
1990	43	24	1,054	2,832	265	367	4,542
1991	60	0	1,477	3,611	225	386	5,699
1992	61	9	1,452	2,891	327	1,177	5,856
1993	59	33	2,021	3,868	259	625	6,865
1994	48	43	2,249	3,247	370	679	6,588
1995	66	46	3,300	3,080	534	1177	8,137
1996	65	47	4,236	4,354	578	690	9,905
1997	58	29	3,048	3,226	283	691	7,277
1998	54	4	1,795	3,995	620	44	6,458
1999	50	18	3,465	2,471	265	720	6,939
2000	51	13	2,344	3,545	193	365	6,460
2001	52	25	3,982	2,650	130	273	7,060
2002	61	32	4,509	2,529	77	396	7,543
2003	68	22	5,220	3,179	149	649	9,219
2004	61	19	4,697	2,877	186	410	8,189
1999-2003 AVG	56	22	3,904	2,875	163	481	7,444

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Year	Permits Issued	Estimated Harvest					
		Chinook	Sockeye	Coho	Pink	Chum	Total
COLD BAY RESIDENTS							
1985	10	0	293	84	34	3	414
1986	18	0	184	264	14	26	488
1987	10	0	293	84	34	3	414
1988	24	0	737	66	2	0	805
1989	18	0	231	55	4	22	312
1991	23	0	517	30	6	4	557
1992	15	0	336	38	0	0	374
1993	23	0	473	89	3	15	580
1994	16	0	325	88	4	3	420
1995	17	0	307	84	0	10	401
1996	15	15	280	0	0	6	301
1997	12	12	657	0	4	3	676
1998	17	8	433	19	8	4	472
1999	14	0	237	1	0	13	251
2000	16	0	553	50	1	26	630
2001	14	0	512	30	0	0	542
2002	20	0	493	0	0	7	500
2003	19	0	594	0	2	18	614
2004	23	5	679	35	0	23	765
1999-2003 AVG	17	0	478	16	1	13	507
FALSE PASS RESIDENTS							
1985	10	30	578	1,858	13	395	2,874
1986	12	13	158	215	188	299	873
1987	12	14	103	443	163	389	1,112
1988	10	11	401	834	29	192	1,467
1989	7	0	231	55	4	22	312
1990	9	1	170	193	19	79	462
1991	17	17	724	500	354	165	1,760
1992	12	12	1,082	502	242	248	2,086
1993	14	23	848	397	156	272	1,696
1994	14	36	906	318	347	354	1,961
1995	15	27	888	179	252	426	1,772
1996	15	23	605	1,028	128	248	2,032
1997	7	8	584	315	153	214	1,274
1998	7	14	586	58	208	245	1,111
1999	7	26	564	902	81	148	1,721
2000	6	0	186	960	20	104	1,270
2001	5	10	242	163	118	104	637
2002	13	31	662	269	20	78	1,060
2003	18	6	1,472	589	216	261	2,544
2004	8	6	446	424	65	32	973
1999-2003 AVG	10	15	625	577	91	139	1,446

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Year	Permits	Estimated Harvest					Total
	Issued	Chinook	Sockeye	Coho	Pink	Chum	
NELSON LAGOON/PORT MOLLER RESIDENTS							
1985	9	5	207	252	2	0	466
1986	9	13	284	302	3	5	607
1987	10	22	245	254	5	14	540
1988	13	26	284	184	0	25	519
1989	9	21	250	227	0	11	509
1990	8	11	291	224	0	0	526
1991	8	20	370	139	1	4	534
1992	9	17	298	191	7	12	525
1993	11	16	561	230	9	26	842
1994	11	71	336	241	6	0	654
1995	10	63	450	429	0	0	942
1996	8	45	465	329	0	11	850
1997	8	16	287	147	5	36	491
1998	13	3	473	295	14	14	799
1999	10	4	389	58	4	0	455
2000	7	10	507	85	0	0	602
2001	6	22	392	46	0	6	466
2002	3	5	140	71	0	0	216
2003	3	3	118	90	0	0	211
2004	4	7	105	140	0	0	252
1999-2003 AVG	6	9	309	70	1	1	390
PORT HEIDEN RESIDENTS							
1985	6	9	176	0	0	0	185
1986	4	28	282	0	0	0	310
1987	10	66	193	229	0	36	524
1988	10	69	268	134	23	105	599
1989	4	7	222	28	1	4	262
1990	3	21	107	20	0	27	175
1991	6	39	375	25	3	120	562
1992	3	21	104	10	0	25	160
1993	3	80	71	0	0	0	151
1994	2	24	196	0	0	50	270
1995	3	50	119	160	0	0	329
1996	4	22	221	51	0	1	295
1997	4	2	24	40	0	0	66
1998	3	26	100	100	0	0	226
1999	3	25	245	60	0	0	330
2000	3	6	0	21	0	0	27
2001	3	64	132	50	0	10	256
2002	3	120	34	50	0	6	210
2003	3	101	7	40	0	6	154
2004	3	60	80	0	0	0	140
1999-2003 AVG	3	63	84	44	0	4	195

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Year	Permits	Estimated Harvest					
	Issued	Chinook	Sockeye	Coho	Pink	Chum	Total
ALASKA PENINSULA AREA LOCAL COMMUNITY RESIDENTS							
1985	134	74	3,448	7,172	574	1,564	12,832
1986	142	101	5,247	2,908	1,779	1,455	11,490
1987	185	192	5,499	4,251	1,547	1,941	13,430
1988	159	255	4,939	4,926	1,645	1,540	13,305
1989	163	88	9,368	3,433	1,205	1,923	16,017
1990	166	217	7,592	3,959	714	1,546	14,028
1991	198	457	9,998	5,413	1,820	3,372	21,060
1992	176	377	8,005	4,150	1,804	2,498	16,834
1993	186	598	10,409	5,536	1,098	1,934	19,575
1994	183	628	9,850	5,784	2,096	4,186	22,544
1995	184	457	11,057	4,915	2,383	2,887	21,699
1996	187	352	11,076	7,575	2,549	2,680	24,232
1997	156	382	11,643	4,516	2,398	2,607	21,546
1998	153	279	7,770	5,507	1,770	1,175	16,501
1999	136	327	9,807	3,934	1,248	1,934	17,250
2000	144	213	8,078	5,365	948	1,474	16,078
2001	141	312	9,913	3,819	1,075	1,893	17,012
2002	129	264	7,517	3,238	513	1,481	13,013
2003	141	307	9,504	4,148	872	2,057	16,888
2004	121	191	7,839	3,624	603	779	13,036
1999-2003 AVG	138	285	8,964	4,101	931	1,768	16,048
ALASKA PENINSULA AREA - RESIDENTS RESIDING OUTSIDE OF AREA							
1985	27	0	589	332	0	2	923
1986	5	0	149	88	0	0	237
1987	6	1	278	8	0	2	289
1988	24	2	562	720	21	152	1,457
1989	25	0	1,036	72	8	181	1,297
1990	35	29	996	70	22	43	1,160
1991	51	1	1,347	138	58	179	1,723
1992	53	8	2,734	117	36	76	2,971
1993	76	17	2,069	217	91	63	2,457
1995	76	35	1,659	106	270	482	2,552
1996	47	10	1,100	168	20	48	1,346
1997	61	38	3,581	96	557	278	4,550
1998	80	128	5,150	313	516	151	6,258
1999	50	39	5,157	50	192	101	5,539
2000	34	19	1,846	69	36	84	2,054
2001	44	27	1,854	386	132	103	2,502
2002	27	62	2,036	70	42	112	2,322
2003	24	13	684	29	357	146	1,229
2004	25	14	1,064	56	29	41	1,204
1999-2003 AVG	36	32	2,315	121	152	109	2,729

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Year	Permits	Estimated Harvest					
	Issued	Chinook	Sockeye	Coho	Pink	Chum	Total
TOTAL ALASKA PENINSULA AREA							
1985	161	74	4,037	7,504	574	1,566	13,755
1986	147	101	5,396	2,996	1,779	1,455	11,727
1987	191	193	5,777	4,259	1,547	1,943	13,719
1988	183	257	5,501	5,646	1,666	1,692	14,762
1989	188	88	10,404	3,505	1,213	2,104	17,314
1990	201	246	8,588	4,029	736	1,589	15,188
1991	249	458	11,345	5,551	1,878	3,551	22,783
1992	229	385	10,739	4,267	1,840	2,574	19,805
1993	262	615	12,478	5,753	1,189	1,997	22,032
1994	256	674	11,884	6,086	2,206	4,406	25,256
1995	260	492	12,716	5,021	2,653	3,369	24,251
1996	234	362	12,176	7,743	2,569	2,728	25,578
1997	217	420	15,224	4,612	2,955	2,885	26,096
1998	233	407	12,920	5,820	2,286	1,326	22,759
1999	186	366	14,964	3,984	1,440	2,035	22,789
2000	178	232	9,924	5,434	984	1,558	18,132
2001	185	339	11,767	4,205	1,207	1,996	19,514
2002	156	326	9,553	3,308	555	1,593	15,335
2003	165	320	10,188	4,177	1,229	2,203	18,117
2004	146	205	8,903	3,680	632	820	14,240
1985-1990 AVG	179	160	6,617	4,657	1,253	1,725	14,411
1991-1998 AVG	243	477	12,435	5,607	2,197	2,855	23,570
1999-2003 AVG	174	317	11,279	4,222	1,083	1,877	18,777
UNALASKA LOCAL COMMUNITY RESIDENTS							
1985	65	0	897	208	1,293	20	2,418
1986	121	0	3,449	847	2,468	375	7,139
1987	81	0	1,097	378	1,780	151	3,406
1988	74	1	962	390	2,626	83	4,062
1989	70	2	1,064	470	1,292	36	2,864
1990	94	4	2,357	681	1,428	100	4,570
1991	89	0	1,294	666	1,075	45	3,080
1992	144	7	2,739	587	1,723	11	5,067
1993	137	17	2,831	697	587	136	4,268
1994	150	1	2,759	774	1,053	48	4,635
1995	159	23	4,446	480	784	23	5,756
1996	189	5	1,107	1,033	492	49	2,686
1997	218	8	4,192	864	440	110	5,614
1998	206	4	3,317	731	729	26	4,807
1999	208	0	2,707	1,327	1,018	13	5,065
2000	205	7	3,073	569	315	24	3,988
2001	201	4	3,850	563	763	100	5,280
2002	226	2	5,267	643	277	63	6,252
2003	220	27	4,814	558	408	41	5,848
2004	207	4	4,343	792	343	26	5,508
1999-2003 AVG	212	8	3,942	732	556	48	5,287

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Year	Permits	Estimated Harvest					Total
	Issued	Chinook	Sockeye	Coho	Pink	Chum	
UNALASKA - RESIDENTS RESIDING OUTSIDE OF UNALASKA DISTRICT							
1985	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0
1988	3	2	4	0	1	0	7
1989	4	0	48	0	0	0	48
1990	2	0	0	0	0	0	0
1991	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0
1993	2	0	0	0	0	0	0
1994	0	0	0	0	0	0	0
1995	1	0	38	4	7	0	49
1996	0	0	0	0	0	0	0
1997	3	0	0	0	114	0	114
1998	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0
2000	7	0	4	1	10	0	15
2001	2	0	0	0	0	0	0
2002	5	0	0	0	0	0	0
2003	7	0	30	0	0	0	30
2004	2	0	30	0	0	0	30
1999-2003 AVG	5	0	7	0	2	0	9
TOTAL UNALASKA							
1985	65	0	897	208	1,293	20	2,418
1986	121	0	3,449	847	2,468	375	7,139
1987	81	0	1,097	378	1,780	151	3,406
1988	77	3	966	390	2,627	83	4,069
1989	74	2	1,112	470	1,292	36	2,912
1990	94	4	2,357	681	1,428	100	4,570
1991	89	0	1,294	666	1,075	45	3,080
1992	144	7	2,739	587	1,723	11	5,067
1993	139	17	2,831	697	587	136	4,268
1994	150	1	2,759	774	1,053	48	4,635
1995	160	23	4,484	484	791	23	5,805
1996	189	5	1,107	1,033	492	49	2,686
1997	221	8	4,192	864	554	110	5,728
1998	206	4	3,317	731	729	26	4,807
1999	211	0	2,707	1,327	1,018	13	5,065
2000	212	7	3,077	570	325	24	4,003
2001	203	4	3,850	563	763	100	5,280
2002	231	2	5,267	643	277	63	6,252
2003	227	27	4,844	558	408	41	5,878
2004	209	4	4,373	792	343	26	5,538
1999-2003 AVG	217	8	3,949	732	558	48	5,296

Appendix C2.—Subsistence salmon harvest by community and species, in number of fish, 2004.

Community	Permits Issued	Permits Returned	Percent Returned	Estimated Harvest					
				Chinook	Sockeye	Coho	Pink	Chum	Total
<i>Alaska Peninsula</i>									
Sand Point	22	20	90.9	94	1,832	148	352	314	2,740
King Cove	61	54	88.5	19	4,697	2,877	186	410	8,189
Cold Bay	23	23	100.0	5	679	35	0	23	742
False Pass	8	6	75.0	6	446	424	65	32	973
Nelson Lagoon	4	4	100.0	7	105	140	0	0	252
Port Heiden	3	3	100.0	60	80	0	0	0	140
Total Alaska Peninsula Area Residents	121	110	90.9	191	7,839	3,624	603	779	13,036
Other Alaska Residents	25	25	100.0	14	1,064	56	29	41	1,204
Total Alaska Peninsula Area	146	135	92.5	205	8,903	3,680	632	820	14,240
<i>Unalaska</i>									
Local Residents	207	141	68.1	4	4,343	792	343	26	5,508
Other Alaska Residents	2	1	50.0	0	30	0	0	0	30
Total Unalaska	209	142	67.9	4	4,373	792	343	26	5,538
<i>Adak^a</i>	6	4	66.7	0	336	0	0	0	336

^a Some Adak subsistence fishermen are seasonal residents of Adak.

Appendix C3.—Adak-Kagalaska Islands estimated personal use salmon harvests, 1988-1997 and Adak District subsistence harvest, 1998-2004.

Year	Permits Issued	Permits Returned	Percent Returned	Estimated Harvest					
				Chinook	Sockeye	Coho	Pink	Chum	Total
Personal Use									
1988	43	29	67.4	0	503	23	150	0	676
1989	64	47	73.3	0	382	0	117	0	499
1990	61	29	47.5	0	800	47	41	0	888
1991	37	31	86.5	0	281	6	34	0	321
1992	52	41	78.8	0	572	30	4	0	606
1993	36	26	72.2	0	638	12	26	0	676
1994 ^a	0	0	0.0	0	0	0	0	0	0
1995	4	3	75.0	0	156	0	0	0	156
1996	6	6	100.0	0	91	0	0	0	91
1997 ^b	18	12	66.7	0	229	0	0	4	233
1988-1993									
Average	49	34	71.0	0	529	20	62	0	611
1995-1996									
Average	5	5	87.5	0	124	0	0	0	124
Subsistence									
1998	13	10	76.9	0	399	0	25	0	424
1999	5	5	100.0	0	164	4	0	0	168
2000	13	12	92.3	0	265	4	78	0	347
2001	17	14	82.3	0	474	19	17	0	510
2002	3	3	100.0	0	150	0	0	0	150
2003	6	5	83.3	0	363	0	0	0	363
1998-2003									
Average	10	8	80.0	0	303	5	20	0	327
2004	6	4	66.7	0	336	0	0	0	336

^a U.S. Navy presence at Adak was reduced; there were no requests for personal use salmon permits.

^b In 1997, a substantial number of civilians were hired by the Navy to work in a cleanup effort at Adak.

Appendix C4.—Average subsistence salmon harvest in numbers of fish by species, by successful permit holder, 2004.

Community	Estimated Successful Permits	Estimated Harvest Per Permit Holder					
		Chinook	Sockeye	Coho	Pink	Chum	Total
Sand Point	20	5	92	7	18	16	138
King Cove	38	1	124	76	5	11	217
Cold Bay	18	0	38	2	0	1	41
False Pass	8	1	56	53	8	4	130
Nelson Lagoon	4	2	26	35	0	0	63
Port Heiden	2	30	40	0	0	0	70
Non-local AK. Residents Fishing AK. Pen. Area	19	1	59	3	2	2	67
Unalaska	132	0	33	6	3	0	42
Adak	6	0	56	0	0	0	56

Appendix C5.—Average subsistence salmon harvest by species, in percent, by successful permit holder, by community, Alaska Peninsula Area, Unalaska, and Adak, 2004.

Community	Chinook	Sockeye	Coho	Pink	Chum	Totala
Sand Point	3.4	66.9	5.4	12.8	11.4	99.9
King Cove	0.2	57.4	35.1	2.3	5.0	100.0
Cold Bay	0.6	91.5	4.7	0.0	3.1	99.9
False Pass	0.6	45.8	43.6	6.7	3.3	100.0
Nelson Lagoon	2.8	41.7	55.6	0.0	0.0	100.1
Port Heiden	42.9	57.1	0.0	0.0	0.0	100.0
Unalaska	0.0	78.8	14.4	6.4	0.4	100.0
Non Local Ak. Residents	1.2	88.5	4.6	2.3	3.4	100.0
Adak	0.0	100.0	0.0	0.0	0.0	100.0

Note: Figures may not add up to 100% due to rounding.

Appendix C6.—Mortensen's Lagoon subsistence and commercial sockeye and coho salmon harvests and escapements, in numbers of fish, 2004.

	Estimated Permits ^a	Sockeye	Coho
<i>Subsistence Harvest^a</i>			
Cold Bay Residents	18	679	35
King Cove Residents	9	844	111
Out of Area Residents	2	100	0
Total subsistence harvest	29	1,623	146
<i>Commercial Harvest^b</i>			
	7	3,962	50
<i>Subsistence & Commercial Harvest</i>		5,585	196
<i>Escapement</i>		7,211	3,835

^a The number of subsistence salmon permit holders estimated to be fishing at Mortensen's Lagoon and the estimated harvest are extrapolated from permit returns.

^b The commercial harvest includes all of statistical area 284-62 (formerly 283-32). Some of the salmon caught in area 284-62 may have been destined for systems other than Mortensen's Lagoon.

Appendix C7.–Number of Mortensen's Lagoon subsistence users by community, 1982-2004.

Year	Cold Bay	King Cove	Other Non-Local	Total
1982	21	6	3	30
1983	18	15	4	37
1984	15	6	6	27
1985	10	5	7	22
1986	11	1	0	12
1987	17	1	4	22
1988	21	0	0	21
1989	12	0	7	19
1990	13	0	14	27
1991	19	2	21	42
1992	15	1	18	34
1993	15	0	39	54
1994	11	1	29	41
1995	11	13	39	63
1996	9	12	20	41
1997	11	10	15	36
1998	12	7	15	34
1999	6	4	6	16
2000	13	10	3	26
2001	12	9	5	26
2002	13	4	6	23
2003	15	16	4	35
2004	18	9	2	29
1991-1998 AVG	13	6	25	43
1999-2003 AVG	12	9	4	26

Appendix C8.—Thin Point Cove subsistence and commercial sockeye and coho salmon harvests and escapements, 2004.

Fishery	Estimated ^a Permit Holders	Sockeye	Coho
Subsistence^a			
King Cove Residents	27	2,677	1,386
False Pass Residents	0	0	0
Out of Area Residents	1	200	3
Total Subsistence Harvest	28	2,877	1,389
Commercial^b	13	54,397	0
Total Harvest		57,274	1,389
Escapement		34,500 ^c	9,600

^a The number of subsistence permit holders fishing Thin Point Cove and the number of subsistence salmon harvested are extrapolated from returned permits.

^b Commercial harvest information was from the fish ticket database and includes all of statistical area 284-75.

^c Estimated total escapement (aerial survey).

^d Peak escapement (aerial survey).

Appendix C9.–Lenard Harbor subsistence and commercial coho salmon harvests, 2004.

Fishery	Estimated Permit Holders	Estimated Coho Salmon Harvest
Subsistence ^a	6	762
Commercial	(No effort directed towards coho)	
Total Harvest	6	762

^a The number of subsistence permits used at Lenard Harbor and the number of subsistence salmon harvested are extrapolated from returned permits. A total of 1,100 coho salmon were estimated in Delta Creek during a September 24 aerial survey, 385 coho salmon were reported as being harvested in the creek after this survey. A projected 513 coho salmon were harvested after September 24.

Appendix C10.–Estimated Lenard Harbor coho salmon subsistence harvests and escapements, 1998-2004.

Year	Permits	Subsistence Harvest	Escapement	Total Observed Run
1998	11	1,043	No information	
1999	6	412	130	542
2000	1	23	600	623
2001	6	457	1,300	1,757
2002	8	581	800	1,381
2003	11	958	1,350	2,308
2004	6	762	587	1,349
1999-2003 AVG	6	486	836	1,322

Appendix C11.—Estimated Unalaska Island subsistence sockeye and coho salmon harvest by major location, in number of fish, 2004.

Location	Estimated Permits ^a	Species	Estimated Harvest ^a
Reese Bay	86	Sockeye	3,771
Broad Bay	34	Coho	619
Nateeken Bay	6	Coho	56
Captains Bay	3	Sockeye	23
		Coho	21
Unalaska Creek Vicinity	14	Sockeye	235
		Coho	32
Totals ^b	143	Sockeye	4,029
		Coho	728

^a The number of permit holders and salmon harvested are extrapolated from returned permits.

^b Some permit holders probably fished in multiple locations and could be double counted.

Appendix C12.—Estimated Mortensen's Lagoon, Thin Point Cove, and Reese Bay subsistence salmon harvest, in number of fish, 1982-2004.

Year	Mortensen's Lagoon			Thin Point Cove			Reese (Wislow) Bay	
	Permits	Sockeye	Coho	Permits	Sockeye	Coho	Permits	Sockeye
1982	30	590	1,145	-	-	-	-	-
1983	41	300	1,600	-	-	-	-	-
1984	27	745	500	-	-	-	-	-
1985	22	590	831	-	-	-	23	669
1986	12	362	178	15	1,586	656	54	2,824
1987	22	604	254	15	1,226	966	20	806
1988	21	737	66	17	488	2,196	21	792
1989	19	420	28	17	1,479	1,239	12	436
1990	27	745	95	29	751	2,578	12	1,421
1991	42	1,144	83	27	913	3,154	35	1,180
1992	34	851	104	23	547	927	59	2,479
1993	54	1,596	148	37	1,511	3,184	37	1,425
1994	41	903	283	23	734	2,443	60	2,298
1995	63	1,940	175	17	1,307	1,348	82	3,985
1996	41	958	508	37	2,609	2,819	45	968
1997	36	1,440	200	14	746	1,271	121	3,945
1998	34	1,034	164	18	972	1,413	89	2,866
1999	16	443	269	21	2,135	1,123	72	2,091
2000	26	844	291	22	904	1,910	86	2,898
2001	26	918	87	33	2,960	1,754	63	3,389
2002	23	811	77	25	2,913	1,213	63	4,694
2003	35	1,817	434	36	3,002	1,527	106	4,388
2004	29	1,623	146	28	2,877	1,389	86	3,771
1999-2003 AVG	25	967	232	27	2,383	1,505	78	3,492

Appendix C13.—Adak District estimated subsistence salmon harvest, in number of fish, 2004.

	Number	Percent
Permits Issued	6	
Number of Permits Returned	4	66.7%
Number of Returned Permits Reporting Catch	4	100.0%
Estimated Number of Permit Holders That Caught Salmon	6	

Average Catch Per Successful Permit Holder

Chinook	Sockeye	Coho	Pink	Chum	Total
0.0	56.0	0.0	0.0	0.0	56.0

Estimated Harvest

Chinook	Sockeye ^a	Coho	Pink	Chum	Total
0	336	0	0	0	336

Note: The balance of the reported sockeye salmon caught in the Adak subsistence fishery was harvested at Galis Point.

^a Quail Bay on Kagalaska Island was the location for 174 of the 224 reported sockeye salmon.

APPENDIX D: ESCAPEMENT DATA

Appendix D1.—Alaska Peninsula Management Area indexed total Chinook, sockeye, pink and chum salmon escapements by species and year, 1962-2004.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1962	South Peninsula	0	18,800	1,598,800	399,400
	North Peninsula	4,400	351,200	4,000	150,900
	Total	4,400	370,000	1,602,800	550,300
1963	South Peninsula	0	23,000	1,317,900	446,700
	North Peninsula	6,200	351,000	4,400	203,200
	Total	6,200	374,000	1,322,300	649,900
1964	South Peninsula	0	15,700	1,436,400	454,800
	North Peninsula	25,900	419,900	15,100	156,100
	Total	25,900	435,600	1,451,500	610,900
1965	South Peninsula	0	12,100	1,035,400	228,000
	North Peninsula	22,100	238,400	900	49,300
	Total	22,100	250,500	1,036,300	277,300
1966	South Peninsula	0	17,000	719,400	422,000
	North Peninsula	8,200	283,300	2,000	149,000
	Total	8,200	300,300	721,400	571,000
1967	South Peninsula	0	16,200	445,500	182,900
	North Peninsula	12,200	299,700	700	122,600
	Total	12,200	315,900	446,200	305,500
1968	South Peninsula	0	12,800	823,300	279,100
	North Peninsula	15,800	251,300	26,500	250,800
	Total	15,800	264,100	849,800	529,900
1969	South Peninsula	0	29,500	2,474,900	134,600
	North Peninsula	19,500	575,000	4,400	146,800
	Total	19,500	604,500	2,479,300	281,400
1970	South Peninsula	0	16,500	1,298,900	280,500
	North Peninsula	8,300	451,500	11,100	169,800
	Total	8,300	468,000	1,310,000	450,300
1971	South Peninsula	0	19,400	702,700	343,200
	North Peninsula	5,200	435,100	8,600	109,400
	Total	5,200	454,500	711,300	452,600
1972	South Peninsula	0	11,900	111,400	254,500
	North Peninsula	5,000	190,200	1,300	124,000
	Total	5,000	202,100	112,700	378,500
1973	South Peninsula	0	7,300	110,800	505,500
	North Peninsula	4,300	180,200	200	122,400
	Total	4,300	187,500	111,000	627,900

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Appendix D1.–Page 2 of 4.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1974	South Peninsula	0	95,600	284,400	257,300
	North Peninsula	3,000	332,800	23,000	105,100
	Total	3,000	428,400	307,400	362,400
1975	South Peninsula	0	51,700	552,100	193,300
	North Peninsula	4,600	516,800	600	109,200
	Total	4,600	568,500	552,700	302,500
1976	South Peninsula	0	69,700	1,456,400	327,200
	North Peninsula	6,000	532,600	37,300	293,400
	Total	6,000	602,300	1,493,700	620,600
1977	South Peninsula	0	64,900	2,677,800	774,900
	North Peninsula	7,100	541,100	8,500	681,200
	Total	7,100	606,000	2,686,300	1,456,100
1978	South Peninsula	0	64,800	2,858,700	600,500
	North Peninsula	13,700	1,213,500	96,800	310,500
	Total	13,700	1,278,300	2,955,500	911,000
1979	South Peninsula	0	53,300	2,629,500	411,100
	North Peninsula	15,800	1,574,000	9,300	305,300
	Total	15,800	1,627,300	2,638,800	716,400
1980	South Peninsula	0	45,900	2,641,600	362,400
	North Peninsula	11,000	1,387,600	103,600	769,500
	Total	11,000	1,433,500	2,745,200	1,131,900
1981	South Peninsula	0	45,700	2,307,500	381,300
	North Peninsula	12,400	1,347,900	6,100	535,200
	Total	12,400	1,393,600	2,313,600	916,500
1982	South Peninsula	0	39,200	2,293,000	386,900
	North Peninsula	20,000	718,400	51,700	457,600
	Total	20,000	757,600	2,344,700	844,500
1983	South Peninsula	0	59,200	851,200	446,500
	North Peninsula	25,700	580,300	4,000	392,600
	Total	25,700	639,500	855,200	839,100
1984	South Peninsula	0	54,800	3,811,600	699,700
	North Peninsula	17,700	826,000	56,600	870,200
	Total	17,700	880,800	3,868,200	1,569,900
1985	South Peninsula	0	49,900	1,614,100	503,400
	North Peninsula	12,900	898,100	1,400	344,200
	Total	12,900	948,000	1,615,500	847,600

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Appendix D1.—Page 3 of 4.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1986	South Peninsula	0	48,000	1,716,700	544,600
	North Peninsula	8,700	580,300	13,300	243,600
	Total	8,700	628,300	1,730,000	788,200
1987	South Peninsula	0	44,600	1,540,500	620,700
	North Peninsula	10,700	556,000	100	510,900
	Total	10,700	600,600	1,540,600	1,131,600
1988	South Peninsula	0	74,100	2,839,600	496,400
	North Peninsula	11,700	614,900	43,500	500,300
	Total	11,700	689,000	2,883,100	996,700
1989	South Peninsula	0	78,100	1,870,900	310,500
	North Peninsula	5,600	814,400	1,900	212,300
	Total	5,600	892,500	1,872,800	522,800
1990	South Peninsula	0	95,300	1,598,400	354,700
	North Peninsula	7,100	1,032,200	132,200	226,400
	Total	7,100	1,127,500	1,730,600	581,100
1991	South Peninsula	0	124,900	2,946,800	587,600
	North Peninsula	9,600	1,317,300	6,300	303,300
	Total	9,600	1,442,200	2,953,100	890,900
1992	South Peninsula	0	97,600	2,834,400	335,500
	North Peninsula	6,600	861,300	207,600	351,700
	Total	6,600	958,900	3,042,000	687,200
1993	South Peninsula	0	100,341	2,990,140	397,030
	North Peninsula	13,745	1,003,848	72,830	402,380
	Total	13,745	1,104,189	3,062,970	799,410
1994	South Peninsula	0	120,255	3,071,725	579,100
	North Peninsula	38,400	1,211,400	133,200	480,200
	Total	38,400	1,331,655	3,204,925	1,059,300
1995	South Peninsula	0	129,110	6,406,300	726,400
	North Peninsula	24,400	1,077,030	8,200	756,000
	Total	24,400	1,206,140	6,414,500	1,482,400
1996	South Peninsula	0	72,950	3,647,550	610,300
	North Peninsula	25,670	967,890	382,600	823,130
	Total	25,670	1,040,840	4,030,150	1,433,430
1997	South Peninsula	0	104,440	5,243,275	809,050
	North Peninsula	19,250	820,243	24,750	388,185
	Total	19,250	924,683	5,268,025	1,197,235
1998	South Peninsula	0	85,440	4,668,065	742,235
	North Peninsula	14,954	894,015	300,000	729,350
	Total	14,954	979,455	4,968,065	1,471,585

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Appendix D1.—Page 4 of 4.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1999	South Peninsula	0	96,800	5,015,310	725,180
	North Peninsula	10,907	897,267	20,000	666,275
	Total	10,907	994,067	5,035,310	1,391,455
2000	South Peninsula	0	69,530	2,792,985	522,075
	North Peninsula	9,565	927,194	50,000	594,700
	Total	9,565	996,724	2,842,985	1,116,775
2001	South Peninsula	0	161,630	2,965,136	751,221
	North Peninsula	13,337	875,353	31,141	692,712
	Total	13,337	1,036,983	2,996,277	1,443,933
2002	South Peninsula	0	192,749	3,762,800	602,750
	North Peninsula	18,924	894,543	40,000	679,810
	Total	18,924	1,087,292	3,802,800	1,282,560
2003	South Peninsula	0	198,192	5,511,220	476,540
	North Peninsula	11,078	1,231,411	20,000	447,960
	Total	11,078	1,429,603	5,531,220	924,500
2004	South Peninsula	0	220,861	8,311,410	732,400
	North Peninsula	30,874	1,433,827	122,000	434,950
	Total	30,874	1,654,688	8,433,410	1,167,350
1994-2003 Average	South Peninsula	0	123,110	4,308,437	654,485
	North Peninsula	18,649	979,635	100,989	625,832
	Total	18,649	1,102,744	4,409,426	1,280,317

Note: coho salmon escapement estimates are not available due to incomplete data.

^a North Peninsula pink salmon escapement estimates are based on incomplete data.

APPENDIX E:
COMMERCIAL SALMON FISHING REGULATIONS

CHAPTER 9. ALASKA PENINSULA AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALASKA PENINSULA AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 09.001. APPLICATION OF THIS CHAPTER. Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 09.100. DESCRIPTION OF AREA. The Alaska Peninsula Area includes the waters of Alaska on the north side of the Alaska Peninsula, southwest of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.) and on the south side of the Alaska Peninsula, from a line extending from Scotch Cap through the easternmost tip of Ugamak Island to a line extending 135° southeast from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

ARTICLE 2. FISHING DISTRICTS AND SECTIONS.

5 AAC 09.200. DESCRIPTION OF DISTRICTS AND SECTIONS. (a) Northern District: waters on the north (Bering Sea) side of the Alaska Peninsula west of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon);

(1) Cinder River Section: waters of the Northern District east of 158° 20.00' W. long.;

(2) Port Heiden Sections:

(A) Outer Port Heiden Section: waters located between 158° 20.00' W. long. and the longitude of Strogonof Point (158° 50.45' W. long.), excluding the waters of the Inner Port Heiden Section;

(B) Inner Port Heiden Section: waters of Port Heiden Bay south and east of a line from Strogonof Point at 56° 53.50' N. lat., 158° 50.45' W. long. to the mainland shore of the northeast entrance to the bay at 56° 56.50' N. lat., 158° 41.50' W. long.;

(3) Ilnik Section: waters between the longitude of Strogonof Point (158° 50.45' W. long.) and the longitude of Three Hills (159° 49.45' W. long.);

(4) Three Hills Section: waters between the longitude of Three Hills (159° 49.45' W. long.) and the longitude of Cape Seniavin (160° 08.25' W. long.);

(5) Bear River Section: waters between the longitude of Cape Seniavin (160° 08.25' W. long.) and the longitude of Wolf Point (160° 48.47' W. long.), excluding the waters of the Herendeen-Moller Bay Section;

(6) Port Moller Bight Section: waters enclosed by a line from Entrance Point to Harbor Point;

(7) Herendeen-Moller Bay Section: waters enclosed by a line from Harbor Point to Entrance Point to Wolf Point to Point Edward on Cape Rozhnof;

(8) Nelson Lagoon Section: waters of Nelson Lagoon inside the bars and inside a line extending from Lagoon Point to Wolf Point to Point Edward on Cape Rozhnof;

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(9) Caribou Flats Section: waters between the longitude of Wolf Point (160° 48.47' W. long.) and the longitude of Frank's Point (161° 49.00' W. long.), excluding the waters of the Nelson Lagoon Section;

(10) Black Hills Section: waters between the longitude of Frank's Point (161° 49.00' W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon).

(b) Northwestern District: waters on the north (Bering Sea) side of the Alaska Peninsula between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of Cape Sarichef Light on Unimak Island (164° 55.70' W. long.), including all waters of Moffet Bay (also known as Moffet Lagoon) and the waters of Bechevin Bay and Isanotski Strait north of a line from the False Pass cannery dock to Nichols Point;

(1) Izembek-Moffet Bay Section: waters between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of the easternmost tip of Chunak Point (163° 27.00' W. long.), including all of Moffet Bay (also known as Moffet Lagoon), excluding the waters of the Bechevin Bay Section;

(2) Bechevin Bay Section: waters of Bechevin Bay and Isanotski Strait enclosed on the north by a line from the easternmost tip of Chunak Point to the westernmost tip of Cape Kretnitzin and enclosed on the south by a line from the False Pass cannery dock to Nichols Point;

(3) Swanson Lagoon Section: waters on the north side of Unimak Island between the longitude of the easternmost edge of Chunak Point (163° 27.00' W. long.) and east of the longitude of Otter Point (163° 47.00' W. long.), excluding the waters of the Bechevin Bay Section;

(4) Uria Bay Section: waters on the north side of Unimak Island west of the longitude of Otter Point (163° 47.00' W. long.) and east of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.), including Peterson and Christianson Lagoons;

(5) Dublin Bay Section: waters on the northwest side of Unimak Island west of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.).

(c) Unimak District: waters on the south side of Unimak Island between a line extending from Scotch Cap (54° 24.17' N. lat., 164° 47.60' W. long.) through the easternmost tip of Ugamak Island (54° 12.87' N. lat., 164° 46.00' W. long.) and a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.), including the Sanak Islands;

(1) Cape Lutke Section: waters of the Unimak District west of the longitude of Rock Island (163° 38.00' W. long.);

(2) Otter Cove Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and north of 54° 30.00' N. lat.;

(3) Sanak Island Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and south of 54° 30.00' N. lat.

(d) Southwestern District: waters on the south side of the Alaska Peninsula north and east of a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.) and west of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) to the western boundary of the Southeastern District (longitude of McGinty Point: 160° 59.00' W. long.), including Inner Iliasik, Outer Iliasik, Goloi, Dolgoi, Poperechoi, and Deer Islands, waters of Ikatani Bay, and waters of Isanotski Strait south of a line from the False Pass cannery dock (54° 51.35' N. lat., 163° 24.38' W. long.) to Nichols Point (54° 51.43' N. lat., 163° 23.23' W. long.);

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(1) Ikatan Bay Section: waters of the Southwestern District located south and west of a line from Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) to Hague Rock (54° 33.17' N. lat., 162° 24.00' W. long.) and west of a line extending true south from Hague Rock;

(2) Morzhovoi Bay Section: waters of Morzhovoi Bay north of a line from Kenmore Head to Cape Tachilni (54° 56.00' N. lat., 162° 52.80' W. long.);

(3) Thin Point Section: waters of the Southwestern District east of Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) and west of Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.), excluding waters of the Ikatan, Morzhovoi, and Cold Bay Sections;

(4) Cold Bay Section: waters north of a line from Thin Point to Vodapoini Point;

(5) Deer Island Section: waters within one nautical mile from the mean high tide mark around Deer Island;

(6) Belkofski Bay Section: waters between Vodapoini Point and Moss Cape, including Inner and Outer Iliasik Islands, excluding the waters of the Deer Island Section;

(7) Volcano Bay Section: waters between Moss Cape and Arch Point, including Goloi, Dolgoi, and Poperechnoi Islands;

(8) General Section: all remaining waters of the Southwestern District.

(e) South Central District: waters on the south side of the Alaska Peninsula north and east of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) and west of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.), including Ukolnoi and Wosnesenski Islands;

(1) West Pavlof Bay Section: waters of the South Central District west of 161° 34.00' W. long.;

(2) East Pavlof Bay Section: waters of the South Central District east of 161° 34.00' W. long., excluding the Canoe Bay and Mino Creek-Little Coal Bay Sections;

(3) Canoe Bay Section: waters of Canoe Bay enclosed by a line from a point at 55° 35.55' N. lat., 161° 21.60' W. long. to a point at 55° 35.65' N. lat., 161° 21.80' W. long.;

(4) Mino Creek-Little Coal Bay Section: waters of the South Central District, excluding those of the West and East Pavlof Bay and Canoe Bay Sections, between the longitude of McGinty Point (160° 59.00' W. long.) and the longitude of Cape Tolstoi (161° 30.00' W. long.).

(f) Southeastern District: waters on the south side of the Alaska Peninsula east of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.) and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), including all of the Shumagin Islands;

(1) Beaver Bay Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of 160° 49.00' W. long., and north of 55° 26.00' N. lat.;

(2) Balboa Bay Section: waters of the Southeastern District east of 160° 49.00' W. long., north of 55° 26.00' N. lat., and west of the longitude of Swedania Point (160° 31.50' W. long.);

(3) Shumagin Islands Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), south of a line from 55° 26.00' N. lat., 160° 31.50' W. long., to 55° 32.20' N. lat., 160° 02.60' W. long. (approximately one nautical mile north of Karpa Island), and east to the Alaska Peninsula Area boundary (a line extending 135° from Kupreanof Point), excluding the Beaver Bay, Balboa Bay, and Southwest Stepovak Sections;

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(4) Southwest Stepovak Section: waters of the Southeastern District south of the latitude of 55° 37.33' N. lat., west of 159° 52.00' W. long., north of the Shumagin Islands Section, and east of the Balboa Bay Section;

(5) Northwest Stepovak Section: waters of the Southeastern District north of 55° 37.33' N. lat. and west of the longitude of Dent Point (159° 52.00' W. long.);

(6) Stepovak Flats Section: waters of the Southeastern District north of 55° 48.20' N. lat. and east of the longitude of Dent Point (159° 52.00' W. long.);

(7) East Stepovak Section: waters of the Southeastern District south of 55° 48.20' N. lat., east of the longitude of Dent Point (159° 52.00' W. long.), north of 55° 32.20' N. lat., and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

5 AAC 09.206. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Alaska Peninsula Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

ARTICLE 3. SALMON FISHERY.

5 AAC 09.301. SEAWARD BOUNDARY OF DISTRICTS.

For the purpose of managing the historical salmon net fishery in the vicinity of False Pass and Unimak Bight, the outer boundary of the Southwestern and Unimak Districts is a line drawn three miles seaward from a line commencing at 54° 26.70' N. lat., 162° 53.00' W. long., near the western end of Sanak Island to Cape Lutke on Unimak Island. The seaward boundary of all other districts is a line three miles seaward of the baseline, as described in 5 AAC 39.975(13).

5 AAC 09.310. FISHING SEASONS. (a) In the Northern District, salmon may be taken as follows:

(1) Cinder River Section:

(A) from May 1 through September 30 within the lagoon into which the Cinder River drains (locally known as False Ugashik or Shagong);

(B) from August 1 through September 30 throughout this section;

(2) Port Heiden Sections:

(A) Inner Port Heiden Section: from May 1 through September 30;

(B) Outer Port Heiden Section: no open season;

(3) Ilnik Section:

(A) from May 1 through September 30, waters within Ilnik Lagoon and the waters inside the Seal Islands;

(B) repealed 6/4/2004;

(C) from June 25 through September 30, throughout the entire Ilnik Section;

(4) Three Hills Section: from June 25 through September 30;

(5) Bear River Section: from May 1 through September 30;

(6) Port Moller Bight Section: from May 1 through September 30;

(7) Herendeen-Moller Bay Section: from May 1 through July 20;

(8) Nelson Lagoon Section: from May 1 through September 30;

(9) Caribou Flats Section: no open season;

(10) Black Hills Section: from May 1 through September 30.

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(b) In the Northwestern District, salmon may be taken only from June 1 through August 10, except that

- (1) in the Dublin Bay Section, salmon may be taken only from July 10 through August 10;
- (2) in the Bechevin Bay Section, salmon may be taken only from June 1 through September 30;
- (3) beginning September 1, the salmon fishing season will be opened by emergency order;
- (4) in the Uria Bay Section, the salmon fishing season will be opened by emergency order.

(c) In the Unimak District, salmon may be taken only from June 1 through September 30.

(d) In the Southwestern District, salmon may be taken only from June 1 through September 30.

(e) In the South Central District, salmon may be taken only from June 1 through September 30.

(f) In the Southeastern District, salmon may be taken only from June 1 through September 30.

5 AAC 09.320. FISHING PERIODS. (a) In the Northern District, salmon may be taken only during weekly fishing periods from 6:00 a.m. Monday until 6:00 p.m. Thursday, unless modified by emergency order, except as follows:

(1) in the Black Hills Section, before July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday; beginning July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) in the Nelson Lagoon Section, salmon may be taken

(A) during the period May 1 - June 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(B) during the period June 16 - August 15, from 6:00 a.m. Monday until 12:00 midnight Thursday;

(C) after August 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(3) in the Cinder River, Inner Port Heiden, and Ilnik Sections, salmon may be taken only from 6:00 a.m. Monday until 6:00 p.m. Wednesday, except that before June 25 in that portion of the Ilnik Section within the Ilnik Lagoon and all waters inside the Seal Islands, salmon may be taken only from 12:00 noon Monday until 11:59 p.m. Wednesday;

(4) before July 1, in the Three Hills and Bear River Sections, salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday.

(b) In the Northwestern District, salmon may be taken during an open season after August 31 only during fishing periods established by emergency order. Before September 1, salmon may be taken in the Northwestern District only during the open season in the

(1) Izembek-Moffet Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) Bechevin Bay Section, only during fishing periods established by emergency order;

(3) Uria Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(4) Dublin Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(5) Swanson Lagoon Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday.

(c) Salmon may be taken only during the open season in the Unimak District during fishing periods established by emergency order.

(d) Salmon may be taken only during the open season in the Southwestern District only during fishing periods established by emergency order.

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(e) Salmon may be taken only during the open season in the South Central District only during fishing periods established by emergency order.

(1) repealed 6/2/88;

(2) repealed 6/2/88;

(3) repealed 4/13/80.

(f) Salmon may be taken only during the open season in the Southeastern District only during fishing periods established by emergency order.

(1) repealed 6/2/88;

(2) repealed 4/13/80;

(3) repealed 6/2/88.

5 AAC 09.330. GEAR. (a) In the Northern District salmon may be taken in the

(1) Cinder River Section: with drift gillnets or set gillnets only;

(2) Inner Port Heiden Section: with drift gillnets or set gillnets only;

(3) Ilnik Section: with drift gillnets or set gillnets only;

(4) Three Hills Section: with drift gillnets only;

(5) Bear River Section: with drift gillnets, purse seines and hand purse seines;

(6) Port Moller Bight Section: with drift gillnets, set gillnets, purse seines, and hand purse seines;

(7) Herendeen-Moller Bay Section: with drift gillnets, set gillnets, purse seines and hand purse seines;

(8) Nelson Lagoon Section: with drift gillnets or set gillnets;

(9) Black Hills Section: with drift gillnets or set gillnets only.

(b) In the Northwestern District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines.

(c) In the Unimak District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines. Salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(d) In the Southwestern District salmon may be taken with purse seines, hand purse seines and set gillnets except that

(1) salmon may also be taken with drift gillnets west of a line from Kenmore Head to Hague Rocks to the easternmost tip of the Sanak Islands;

(2) repealed 3/19/78;

(3) salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(e) In the South Central District salmon may be taken with set gillnets, purse seines and hand purse seines, except that

(1) repealed 3/19/78;

(2) within Canoe Bay, salmon may be taken only with purse seines and hand purse seines;

(3) repealed 6/2/88;

(4) salmon may be taken by set gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

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(f) In the Southeastern District salmon may be taken only with set gillnets, purse seines and hand purse seines except that

(1) salmon may be taken only with purse seines and hand purse seines in the area between Popof Head and Dark Cliffs (Popof Island) from June 1 through August 31; however, salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to the presence of immature salmon;

(2) repealed 3/19/78;

(3) salmon may be taken only with set gillnets from June 1 through July 10 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections;

(4) salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to presence of immature salmon.

5 AAC 09.331. GILLNET SPECIFICATIONS AND OPERATIONS. (a) The size and operation of drift gillnets is as follows:

(1) the aggregate length of drift gillnets on a salmon fishing boat or in use by such boat shall be no more than 200 fathoms in length;

(2) the mesh size of a drift gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(d);

(C) repealed 6/22/2001;

(3) in the Northwestern, Unimak, and Southwestern Districts, no drift gillnet may exceed 90 meshes in depth;

(4) in the Northern District, a drift gillnet may not exceed 70 meshes in depth, except that in the Nelson Lagoon Section a drift gillnet may not exceed 29 meshes in depth before August 16 and 38 meshes in depth from August 16 through September 30; a drift gillnet may have only one leadline, which may not exceed 60 fathoms per 50 fathoms of corkline, and no portion of the leadline may exceed 1.5 pounds per fathom.

(b) The size and operation of set gillnets is as follows:

(1) a set gillnet may be no more than 100 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 200 fathoms; no more than two gillnet sites may be operated by a CFEC permit holder except that in the

(A) Inner Port Heiden Section a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 100 fathoms; and no more than two gillnet sites may be operated by a CFEC permit holder;

(B) Ilnik Lagoon (portion of the Ilnik Section) a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 150 fathoms; and no more than three gillnet sites may be operated by a CFEC permit holder;

(C) in the Northwestern, Unimak, Southwestern, South Central, and Southeastern Districts, a set gillnet may not exceed 90 meshes in depth; and

(2) set gillnets shall be operated in substantially a straight line; no more than 30 fathoms of each set gillnet may be used as a single hook;

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(3) the mesh size of a set gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(d);

(C) repealed 6/22/2001;

(4) in the Northern District, the maximum depth of a set gillnet may not exceed 70 meshes in depth; except that in the Nelson Lagoon Section, a set gillnet may not exceed 29 meshes in depth;

(5) in the Unimak, Southwestern, South Central, and Southeastern Districts, 10 fathoms of seine webbing may be used on the shoreward end of a set gillnet; the shoreward end of the seine webbing must be attached to the beach above low tide;

(6) during hours of darkness, each set gillnet must be marked with at least one red light on the seaward end of the net, and at least one red light on both ends of the net if that net is more than 300 feet from shore;

(7) in Swanson Lagoon, within the Swanson Lagoon Section of the Northwestern District, a person may not place a set gillnet in the water if that placement would result in more than 50 percent of the channel east of 163° 38.75' W. long. being blocked to the movement of boat traffic at any stage of the tide;

(8) in the Cinder River and Ilnik Sections of the Northern District, a person may not place the seaward end of a set gillnet further than one-half mile from the permanent vegetation line of the beach, except that in the Seal Islands a person may not place the seaward end of a set gillnet further than one-half mile from the mean high tide mark;

(9) in the Unimak District during the June fishery described in 5 AAC 09.365, a person may not place the shoreward end of a set gillnet further than one-half mile from the mean high tide mark.

5 AAC 09.332. SEINE SPECIFICATIONS AND OPERATIONS. (a) Purse seines or hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length. A purse seine or hand purse seine may not exceed 375 meshes in depth. Seine mesh may not be more than three and one-half inches, except that the first 25 meshes above the headline may not be more than 7 inches.

(b) Leads may not be less than 50 fathoms nor more than 150 fathoms in length. Only one lead may be used with a seine. A lead may be attached to only one end of a seine, and the lead may not be attached to the boat end of the seine.

5 AAC 09.334. IDENTIFICATION OF GEAR. (a) Each drift gillnet in operation must have at each end a bright red keg, buoy, or cluster of floats plainly and legibly marked with the permanent vessel license plate (ADF&G) number of the vessel operating the gear, as well as the initials of the operator.

(b) Each set gillnet in operation must be identified as required by 5 AAC 39.280.

5 AAC 09.335. MINIMUM DISTANCE BETWEEN UNITS OF GEAR. No part of a commercial set gillnet may be set or operated within 900 feet of any part of another commercial set gillnet, except that in the

(1) Inner Port Heiden Section no part of a set gillnet may be set or operated within 600 feet of any part of another set gillnet;

(2) Nelson Lagoon Section no part of a set gillnet may be set or operated within 1,800 feet of any part of another operating set gillnet.

5 AAC 09.342. VESSEL IDENTIFICATION. Repealed 4/18/86.

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5 AAC 09.350. CLOSED WATERS. Salmon may not be taken in the following locations:

- (1) Cape Menshikof: waters of the Cinder River Section located north and east of a line extending 304° from a point on the shore at 57° 24.40' N. lat., 158° 03.00' W. long.;
- (2) Cinder River Lagoon: waters enclosed by a line from 57° 20.00' N. lat., 158° 08.02' W. long. to 57° 21.30' N. lat., 158° 02.63' W. long.;
- (3) Outer Port Heiden: waters of the Outer Port Heiden Section;
- (4) Meshik River: waters upstream from a line crossing the river from a point at 56° 47.07' N. lat., 158° 41.10' W. long. to 56° 47.97' N. lat., 158° 38.75' W. long.; this is approximately one-half nautical mile upstream from the mean high tide mark in the mouth of the river and approximately at the lower line of the permanent vegetation line;
- (5) Unangashak River: waters east of 159° 15.33' W. long.;
- (6) Ilnik Lagoon: waters of Ilnik Lagoon and lake west of 159° 32.00' W. long.;
- (7) Sandy River:
 - (A) from May 1 through July 26: waters within 2,000 yards of the terminus of the river;
 - (B) from July 27 through September 30: waters within 500 yards of the terminus of the river;
- (8) Bear River:
 - (A) from May 1 through August 8: waters within 1,000 yards of the terminus of the river;
 - (B) from August 9 through September 30: waters within 500 yards of the terminus of the river;
- (9) King Salmon River:
 - (A) from May 1 through July 15, waters within 1,000 yards of the stream terminus;
 - (B) after July 15, waters within 500 yards of the stream terminus;
- (10) Frank's Lagoon: waters of the lagoon and within 500 yards outside the entrance;
- (11) Herendeen Bay: from May 1 through July 20, waters within 500 yards of any salmon stream, unless otherwise specified in this chapter;
- (12) Nelson Lagoon: waters of the lagoon and river (called Caribou, Nelson, and Lagoon River) flowing into the upper (west) end of Nelson Lagoon, upstream from a line from 55° 57.19' N. lat., 161° 21.52' W. long. to 55° 57.55' N. lat., 161° 22.09' W. long.;
- (13) Caribou Flats: waters of the Caribou Flats Section;
- (14) Amak Island and adjacent Sea Lion Rocks: waters within three nautical miles of the mean high tide mark around these islands and rocks;
- (15) Applegate Cove-Norma Bay: waters south of a line from 55° 14.20' N. lat., 162° 53.20' W. long. to the southwest extremity of Norma Bay at 55° 10.50' N. lat., 163° 05.12' W. long.; this boundary aligns with the Cold Bay VORTAL cone and the headland located approximately two nautical miles south of the radar domes near Grant Point;
- (16) Bechevin Bay:
 - (A) Saint Catherine Cove (Mike's Creek): waters within 1,000 yards of the stream located at 55° 00.80' N. lat., 163° 31.55' W. long.;
 - (B) Trader's Cove: waters north and east of a line from Morzhovoi Village (54° 54.65' N. lat., 163° 18.33' W. long.) to the base of Trader Mountain (54° 54.98' N. lat., 163° 18.50' W. long.);

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(C) the bay at 54° 56.40' N. lat., 163° 15.90' W. long. to a point on the north shore of the bay at 54° 57.20' N. lat., 163° 15.67' W. long.;

(17) Swanson Lagoon:

(A) from June 1 through August 31: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.13' N. lat., 163° 38.60' W. long.;

(B) from September 1 through September 30: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.17' N. lat., 163° 39.15' W. long.;

(18) Urilia Bay:

(A) Christianson's Lagoon: waters of the lagoon and its exit channel upstream from a point located above the exit channel terminus at the ocean shoreline;

(B) Peterson Lagoon: waters of the lagoon from a point located 500 yards upstream from the lagoon outlet channel terminus at the ocean shoreline;

(19) Ikatan Bay: waters within 1,000 yards of the stream at 54° 45.18' N. lat., 163° 15.32' W. long. on the north shore of the Ikatan Peninsula that exit from Swede's Lake;

(20) Morzhovoi Bay:

(A) Middle Lagoon: waters of the lagoon and within 1,000 yards of its entrance;

(B) Littlejohn Lagoon: waters of the lagoon and within 500 yards of its entrance at the narrows;

(21) Thin Point Cove and Lagoon: waters north and west of a line from the tip of Thin Point westward to a point on the shore at 54° 57.58' N. lat., 162° 42.40' W. long.;

(22) Cold Bay:

(A) Old Man Lagoon, Mortensen Lagoon, and Nurse Lagoon: waters of the lagoons and within 500 yards outside their entrances;

(B) Lenard Harbor: waters east of a line from 55° 06.00' N. lat., 162° 23.10' W. long. to a point on the north shore at 55° 06.95' N. lat., 162° 23.20' W. long. and within 1,000 yards of any salmon stream west of 55° 06.95' N. lat., 162° 23.20' W. long., including Barney's Creek;

(C) Kinzarof Lagoon area: waters of Kinzarof Lagoon;

(D) Trout Creek: waters within 1,000 yards of the stream terminus;

(23) Deer Island: waters within 200 yards of any salmon stream on Deer Island;

(24) Belkofski Bay: waters north and east of a line from 55° 09.28' N. lat., 162° 08.32' W. long. to 55° 08.07' N. lat., 162° 07.20' W. long. and then to 55° 07.33' N. lat., 162° 07.60' W. long.;

(25) Volcano and Bear Bay:

(A) waters north of a line from 55° 13.33' N. lat., 162° 01.40' W. long. to 55° 13.83' N. lat., 161° 58.20' W. long.;

(B) waters of Bear Bay west of 162° W. long. and locally known as Little Bear Bay;

(26) Long John Lagoon: waters of the lagoon and within 500 yards outside of its entrance;

(27) Pavlof Bay:

(A) Chinaman Lagoon and Jackson Lagoon: waters of the lagoons and within 1,000 yards outside of their entrances;

(B) Dry Lagoon: waters of the lagoon and within 500 yards of its entrance;

(C) Canoe Bay: waters east of 161° 14.30' W. long.;

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- (28) Bay Point: waters of the lagoon and within 500 yards of the lagoon entrance;
- (29) Zachary Bay: waters of the inner bay south and west of a line extending from the inner edge of the permanent vegetation line of the sand spit to the west of the tip of the prominent point of land approximately one and one-third nautical miles inside Quartz Point;
- (30) Balboa Bay:
- (A) waters north of a line extending west from Reef Point;
 - (B) waters of Lefthand Bay west of a line from 55° 31.60' N. lat., 160° 43.00' W. long. to 55° 33.10' N. lat., 160° 42.10' W. long.;
- (31) San Diego Bay: waters of the lagoon at the head of this bay and within 500 yards outside of the lagoon's entrance, except that from July 19 through August 31 the closure includes all waters west of a line from the reef at 55° 33.10' N. lat., 160° 26.60' W. long. to the headland at 55° 33.97' N. lat., 160° 25.90' W. long.;
- (32) Dorenoi Bay:
- (A) from June 1 through July 25, waters north and west of a line from the tip of Renshaw Point to the opposite shore at 55° 38.40' N. lat., 160° 19' W. long.;
 - (B) after July 25, waters within 500 yards of the terminus of any salmon stream;
- (33) Chichagof Bay: waters of the lagoon and within 500 yards of the lagoon entrance;
- (34) Orzinski Bay (Orzenoi): waters within 1,000 yards of any salmon stream;
- (35) Grub Gulch: waters north and east of a line from 55° 48.25' N. lat., 159° 56.20' W. long. to 55° 48.00' N. lat., 159° 58.40' W. long.;
- (36) Stepovak Bay:
- (A) from June 1 through July 28, waters within 500 yards of any salmon stream or lagoon, unless otherwise specified in this chapter;
 - (B) from July 29 through September 30, waters north of a line extending east from Dent Point at 55° 47.25' N. lat., 159° 52.00' W. long. to a point on the Kupreanof Peninsula at 55° 46.93' N. lat., 159° 38.70' W. long.;
- (37) from July 6 through August 31, waters of Alaska in the East Stepovak Section between a line extending 135° from Kupreanof Point at 55° 33.98' N. lat., 159° 35.88' W. long. and a line extending 207° from 55° 34.50' N. lat., 159° 37.53' W. long.; from September 1 through September 30, the commissioner shall close, by emergency order, the waters specified in this paragraph when the waters specified in 5 AAC 15.350(20) are closed to conserve coho salmon.

5 AAC 09.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS. The operator of a floating salmon processing vessel or tender, or of a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

5 AAC 09.360. SOUTHEASTERN DISTRICT MAINLAND SALMON MANAGEMENT PLAN. (a) This plan pertains to the management of the interception of Chignik River sockeye salmon caught in the Southeastern District Mainland fishery: East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. Before July 11, only set gillnet gear may be used in these sections. For the purpose of this plan, local runs include only those salmon in the waters

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(1) beginning July 1, in the Northwest Stepovak Section described in 5 AAC 09.200(f);

(2) in the Stepovak Flats Section described in 5 AAC 09.200(f).

(b) In years when a harvestable surplus for the first (Black Lake) and second (Chignik Lake) runs of Chignik River system sockeye salmon is expected to be less than 600,000, a commercial salmon fishery is not allowed in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., until a harvest of 300,000 sockeye salmon is achieved in the Chignik Area described in 5 AAC 15.100. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1, in the Northwest Stepovak Section, approaches as near as possible six percent of the total Chignik sockeye salmon harvest.

(c) In years when a harvestable surplus beyond escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 but the first run fails to develop as predicted and it is determined that a total sockeye salmon harvest in the Chignik Area of 600,000 or more might not be achieved, the commercial salmon fishery in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., shall be curtailed in order to allow a harvest in the Chignik Area of at least 300,000 sockeye salmon through July 8 if that number of fish are determined to be surplus to the escapement goals of the Chignik River system. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area is at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible six percent of the total Chignik sockeye salmon harvest.

(d) In years when a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the department determines that the runs are as strong as expected, the department shall manage the fishery so that the number of sockeye salmon taken in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible six percent of the total Chignik sockeye salmon catch.

(e) Beginning July 1, the fishing schedule in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long. may not be more than four 24-hour periods with no more than 48-hours continuous fishing during a seven-day period.

(f) The estimate of sockeye salmon destined for the Chignik River has been determined to be 80 percent of the sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section. Beginning July 1, all sockeye salmon taken in the Northwest Stepovak Section are considered to be destined for Orzinski Bay.

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(g) The total Chignik sockeye salmon catch constitutes those sockeye salmon caught within the Chignik Area, plus 80 percent of the sockeye salmon caught in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, plus 80 percent of the sockeye salmon caught in the Cape Igvak Section of the Kodiak Area. The percentage of Chignik sockeye salmon may be permitted to fluctuate above or below six percent at any time before July 25.

(h) The allocation method described in (a) - (g) of this section is in effect through July 25. The commissioner may not open the first fishing period of the commercial salmon fishing season in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, before the first fishing period of the commercial salmon fishing season in the Chignik Area. After July 25, the commissioner may open, by emergency order, commercial salmon fishing in the entire Southeastern District Mainland area for local stocks.

(i) During the period from approximately June 26 through July 8, the strength of the second run of the Chignik River system sockeye salmon cannot be evaluated. In order to prevent overharvest of the second run, the department may disallow or severely restrict commercial salmon fishing in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections during this period, and from June 26 through June 30 in the Northwest Stepovak Section.

(j) The commissioner shall open all commercial fishing periods by emergency order. Before commencement of the first commercial salmon fishing period of the season, the department shall give at least 24 hours' notice. For subsequent fishing periods, the department shall give at least 12 hours' notice. If an existing fishing period is extended, the department shall give notice of the extension as soon as possible before the end of the existing fishing period.

5 AAC 09.365. SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE SALMON MANAGEMENT PLAN. (a) The South Unimak and Shumagin Islands June fisheries harvest both sockeye salmon and chum salmon in a mixed stock fishery during the month of June. The sockeye salmon are predominantly Bristol Bay and Alaska Peninsula origin. The chum salmon are bound for a number of areas, including Japan, Russia, the Arctic-Yukon-Kuskokwim, Bristol Bay, the Alaska Peninsula, and southcentral Alaska. These salmon stocks have historically been harvested along the south Alaska Peninsula during the month of June. This management plan is intended to be consistent with the Policy for the Management of Sustainable Salmon Fisheries (5 AAC 39.222) and the Policy for the Management of Mixed Stock Salmon Fisheries (5 AAC 39.220).

(b) The South Unimak fishery takes place in the Unimak District, the Southwestern District, the East Pavlof Bay and West Pavlof Bay sections of the South Central District, and the Bechevin Bay Section of the Northwestern District.

(c) The Shumagin Islands fishery takes place in the Shumagin Islands Section.

(d) Beginning June 7, the commissioner may open, by emergency order, commercial fishing periods for purse seine, drift gillnet, and set gillnet gear in the South Unimak and Shumagin Islands fisheries as follows:

(1) commercial fishing periods will begin at 6:00 a.m. and run 88 hours, until 10:00 p.m. three days later; commercial fishing will be closed for 32 hours and reopen at 6:00 a.m. two days later;

(2) notwithstanding (1) of this subsection, the final commercial fishing period will end at 10:00 p.m. on June 29.

(e) All salmon caught by a CFEC permit holder must be retained, and each CFEC permit holder must report the number of salmon caught, including those taken but not sold, on an ADF&G fish ticket. For the purposes of this subsection, "caught" means brought on board the vessel.

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5 AAC 09.366. POST-JUNE SALMON MANAGEMENT PLAN FOR THE SOUTH ALASKA PENINSULA. (a) The purpose of this management plan is to provide management guidelines to the department for the management of the post-June salmon fisheries along the South Alaska Peninsula, to provide for the harvest of local stocks in terminal harvest areas, and to establish fishing periods for the South Alaska Peninsula salmon fisheries outside of terminal harvest areas.

(b) The commissioner shall establish, to the extent practicable, concurrent fishing periods in the Southeastern, South Central, Southwestern, and Unimak Districts.

(c) Fishing periods may be established under this section only as follows:

- (1) except as specified in (d), for July, from 7:00 a.m. to 9:00 p.m.;
- (2) for August, from 8:00 a.m. to 9:00 p.m.;
- (3) for September, from 9:00 a.m. to 8:00 p.m.; and
- (4) repealed 2003.

(d) Notwithstanding (c)(1) of this section, the commissioner may establish, by emergency order, six 24-hour fishing periods interspersed by 48 hour closures from July 6 through July 21, and three 36-hour fishing periods interspersed by 48 hour closures from July 22 through July 31. The first commercial fishing period of the July 22 through July 31 period may not start before 12:00 noon on July 23.

(e) Repealed 6/4/2004.

(f) The commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 6 through July 21:

(1) the Shumagin Islands Section of the Southeastern District, waters of Zachary Bay south of the latitude of 55° 22.60' N. lat.; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(2) the East and West Pavlof Bay Sections of the South Central District, waters north of the latitude of Black Point (55° 24.48' N. lat.); fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(3) the Canoe Bay Section of the South Central District; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(4) in the Cold Bay, Thin Point, and Morzhovoi Bay Sections of the Southwestern District as follows:

(A) fishing periods in the Cold Bay Section shall be established based on the abundance of sockeye and chum salmon stocks;

(B) fishing periods in Thin Point Cove and Morzhovoi Bay Sections shall be established based on the abundance of sockeye salmon stocks.

(g) In addition to the terminal harvest areas specified in (f), of this section, the commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 22 through July 31:

(1) the Northwest Stepovak Section of the Southeastern District Mainland (near Suzy Creek), after July 25, the waters east of 160° 19.00' W. long. (in Dorenoi Bay), west of the cape separating Chichagof Bay and West Cove (160° 14.57' W. long.) and north of 55° 37.33' N. lat.; fishing periods shall be established based on the abundance of local pink salmon stocks;

(2) the Stepovak Flats Section of the Southeastern District Mainland, from July 26 through July 28; fishing periods shall be established based on the abundance of local chum salmon stocks;

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(3) the Mino Creek-Little Coal Bay and East Pavlof Bay Sections of the South Central District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(4) the Belkofski Bay Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(5) the Deer Island Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink salmon stocks.

(h) The commissioner may open, by emergency order, the commercial salmon fishery in the South Alaska Peninsula as follows:

(1) from August 1 through August 31, fishing periods shall be based on the abundance of local sockeye, coho, pink, and chum salmon stocks;

(2) from September 1 through September 30, fishing periods shall be based on abundance of coho salmon stocks, although the department may consider the abundance of late pink and chum salmon stocks.

(i) The department shall conduct a seine test fishery in the Shumagin Islands Section to assess the presence of immature salmon. If 100 or more immature salmon, per set, are present, the commissioner shall close, by emergency order, the seine fishery in an area to be determined by the department. If the seine fishery is closed in an area under this subsection, the set gillnet fishery shall remain open in that area. For the purposes of this subsection, “immature salmon, per set, are present” means the number of immature Chinook, sockeye, coho, and chum salmon observed to be gilled in the seine web.

5 AAC 09.369. NORTHERN DISTRICT SALMON FISHERIES MANAGEMENT PLAN. (a) The purpose of this management plan is to provide guidelines to the department for the management of salmon stocks in the Northern District of the Alaska Peninsula Management Area.

(b) The department shall manage the Northern District salmon fisheries on the basis of salmon abundance as determined by escapement information and catch-per-unit-effort information. The department shall manage each section of the Northern District as specified in this management plan and 5 AAC 09.320.

(c) In the Black Hills Section,

(1) before July 1, fishing periods may be modified based on the abundance of Chinook and sockeye salmon stocks;

(2) from July 1 through August 15, fishing periods may be modified based on the abundance of sockeye and chum salmon stocks; and

(3) after August 15, fishing periods may be modified based on the abundance of coho salmon stocks.

(d) The Caribou Flats Section is closed to commercial salmon fishing.

(e) In the Nelson Lagoon Section,

(1) from May 1 through June 15, fishing periods may be modified based on the abundance of Nelson Lagoon Chinook salmon stocks;

(2) from June 16 through August 15, fishing periods may be modified based on sockeye salmon escapement and harvest information in Nelson Lagoon; and

(3) after August 15, fishing periods may be modified based on the abundance of Nelson Lagoon coho salmon stocks.

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(f) In the Herendeen-Moller Bay Section, fishing periods for pink and chum salmon stocks may be modified so that pink salmon fishing periods will not jeopardize local chum salmon stocks.

(g) In the Port Moller Bight Section, fishing periods may be modified based on the abundance of Bear River sockeye salmon stocks.

(h) In the Bear River Section, fishing periods may be modified based on sockeye salmon escapement to the Bear and Sandy Rivers. Before taking management actions in the Bear River Section during June, such as modification of fishing time and area by emergency order, the commissioner shall consider the Chinook salmon runs into the King Salmon, Bear, and Sandy Rivers.

(i) In the Three Hills Section before July 21, fishing periods may be modified based on the abundance of sockeye salmon stocks in the Bear, Sandy, and Ilnik Rivers. Beginning July 21, fishing periods in the Three Hills Section may be modified based on the abundance of sockeye salmon stocks in the Bear and Sandy Rivers. When sockeye salmon escapement objectives in the Bear or Sandy Rivers are not being met, the commissioner may close, by emergency order, a portion of the Bear River and Three Hills Sections. If sockeye salmon escapements into the Ilnik River, or the Ocean River when the Ocean River flows directly into the Bering Sea, are not being met and area closures in the Ilnik Section are not effective for meeting the sockeye salmon escapement goals, the commissioner may close, by emergency order, the eastern portion of the Three Hills Section.

(j) In the Ilnik Section,

(1) notwithstanding 5 AAC 09.320(a)(3), from June 25 through July 20,

(A) commercial salmon fishing will be permitted in the Ilnik Section

(i) southwest of Unangashak Bluffs based on the abundance of Ilnik River sockeye salmon;
and

(ii) northeast of Unangashak Bluffs based on the abundance of Meshik River and Ilnik River sockeye salmon, combined;

(B) if the commissioner closes that portion of the Egegik District specified in 5 AAC 06.359(c) for conservation of Ugashik River sockeye salmon stocks, the commissioner may establish additional fishing restrictions;

(2) from July 21 through August 15, fishing periods may be modified in the Ilnik Section based on the abundance of Bear River sockeye salmon stocks;

(3) after August 15, fishing periods may be modified in the Ilnik Section based on the abundance of coho salmon stocks in the Unangashak and Ilnik Rivers, and the Ocean River when the Ocean River flows directly into the Bering Sea.

(k) In the Inner Port Heiden Section, fishing periods may be modified based on the abundance of Chinook salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

(l) The Outer Port Heiden Section is closed to commercial salmon fishing.

(m) In the Cinder River Section, fishing periods may be modified based on the abundance of Chinook salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

5 AAC 09.378. PROHIBITIONS ON USE OF AIRCRAFT. A person may not use or employ an aircraft to locate salmon for the commercial taking of salmon or to direct commercial fishing operations in the Alaska Peninsula Area one hour before, during, and one hour after a commercial salmon fishing period.

CHAPTER 12. ALEUTIAN ISLANDS AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALEUTIAN ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 12.001. APPLICATION OF THIS CHAPTER.

Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 12.100. DESCRIPTION OF AREA.

The Aleutian Islands Area includes the waters of Alaska in the Aleutian Islands west of Cape Sarichef Light and west of a line extending from Scotch Cap through the easternmost tip of Ugamak Island, including the waters surrounding the Pribilof Islands, except the Atka-Amlia Islands Area described in 5 AAC 11.101.

ARTICLE 2. FISHING DISTRICTS AND SECTIONS.

5 AAC 12.200. DESCRIPTION OF DISTRICTS AND SECTIONS.

(a) Akutan District: all waters between Scotch Cap and Cape Sarichef Light and extending west to and including Akutan Pass. South of Scotch Cap, the eastern boundary of the district is a line extending from Scotch Cap through the easternmost tip of Ugamak Island.

(b) Unalaska District: all waters west of Akutan Pass to and including Umnak Pass

(1) Beaver Inlet Section: all waters between Cape Sedanka and Cape Kalekta and including Unalga Island;

(2) Unalaska Bay Section: all waters between Cape Kalekta and Cape Kovrizhka;

(3) Makushin Bay Section: all waters between Cape Kovrizhka and Spray Cape;

(4) Kashaga Bay Section: all waters between Spray Cape and Konets Head;

(5) Southern Section: all waters between Konets Head and Cape Sedanka.

(c) Umnak District: waters west of Umnak Pass to Segum Pass at 172° 50.00' W. long.

(d) Adak District: waters west of Atka Pass at 175° 23.00' W. long. to the terminus of the Aleutian Islands.

(e) Pribilof Islands District: all waters of Alaska surrounding the Pribilof Islands.

5 AAC 12.206. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Aleutian Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

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ARTICLE 3. SALMON FISHERY.

5 AAC 12.310. FISHING SEASONS. (a) Salmon may be taken only from July 10 through September 30, except that in the Kashega Bay Section, salmon may be taken only from June 1 through September 30.

(b) There is no open commercial fishing for salmon in the Pribilof Islands District.

5 AAC 12.320. WEEKLY FISHING PERIODS. Salmon may be taken

(1) June 1 - July 18: from 6:00 a.m. Monday until 6:00 p.m. Friday;

(2) from July 19 through September 30 salmon may be taken during the open season only during fishing periods established by emergency order.

5 AAC 12.330. GEAR. Salmon may be taken by purse seines, hand purse seines and beach seines.

5 AAC 12.331. GILLNET SPECIFICATIONS AND OPERATION. Repealed 1/29/72.

5 AAC 12.332. SEINE SPECIFICATIONS AND OPERATION. (a) Purse seines and hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length.

(b) Beach seines may not be less than 100 fathoms in length and three fathoms in depth nor more than 250 fathoms in length and 12 fathoms in depth.

(c) No lead may be less than 25 fathoms nor more than 150 fathoms in length.

5 AAC 12.350. CLOSED WATERS. The following waters are closed to commercial salmon fishing:

(1) Iliuliuk Harbor vicinity: waters between Unalaska and Amaknak Islands west of 166° 32.00' W. long. and north of a line from 53° 52.28' N. lat., 166° 32.68' W. long. south of Agnes Beach to a point at 53° 52.28' N. lat., 166° 33.17' W. long. on Amaknak Island;

(2) Humpback Bay: waters enclosed by a line from the western tip of Cathedral Point to 53° 45.23' N. lat., 166° 53.63' W. long.

(3) the Pribilof Islands District.

5 AAC 12.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS. The operator of a floating salmon processing vessel or tender, or a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

CHAPTER 11. ATKA-AMLIA ISLANDS AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ATKA-AMLIA ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 11.001. APPLICATION AND INTENT OF THIS CHAPTER. Repealed.

5 AAC 11.002. APPLICATION OF THIS CHAPTER. Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 11.100. DESCRIPTION OF AREA. Repealed.

5 AAC 11.101. DESCRIPTION OF AREA. The Atka-Amlia Islands Area includes the waters of Alaska between Seguam Pass (172° 50.00' W. long.) and Atka Pass (175° 23.00' W. long.).

5 AAC 11.106. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Atka-Amlia Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

ARTICLE 2.

ARTICLE 3. SALMON FISHERY.

5 AAC 11.310. FISHING SEASONS. Repealed.

5 AAC 11.311. FISHING SEASONS. Salmon may be taken only from August 1 through August 31.

5 AAC 11.320. WEEKLY FISHING PERIODS. Repealed.

5 AAC 11.321. WEEKLY FISHING PERIODS. Salmon may be taken only from 6:00 a.m. to 6:00 p.m. Mondays, Wednesdays, and Fridays.

5 AAC 11.330. GEAR. Repealed.

5 AAC 11.331. GILLNET SPECIFICATIONS AND OPERATION. Repealed.

5 AAC 11.332. SEINE SPECIFICATIONS AND OPERATION. Repealed.

5 AAC 11.333. GEAR. Salmon may be taken only by purse seines and set gillnets. A purse seine may be operated only by the holder of an Area M CFEC purse seine limited entry permit.

5 AAC 11.334. GILLNET SPECIFICATIONS AND OPERATIONS. The size and operation of a set gillnet are as follows:

(1) a set gillnet may not exceed 100 fathoms in length; a CFEC permit holder may not operate more than one set gillnet;

(2) a set gillnet must be operated in a substantially straight line, with no more than 25 fathoms of the offshore end set in any configuration;

(3) the mesh size of a set gillnet may not exceed five inches;

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(4) the maximum depth of a set gillnet may not exceed 90 meshes;

(5) 25 fathoms of seine webbing may be used as a lead, and must be attached to the shoreward end of a set gillnet; the shoreward end of the lead or gillnet must be attached to the beach above high tide and must remain dry at all times;

(6) during hours of darkness, a set gillnet must be marked with at least one red light on the seaward end of the net.

5 AAC 11.335. SEINE SPECIFICATIONS AND OPERATIONS. (a) A purse seine must be at least 100 fathoms long, but may not exceed 250 fathoms in length.

(b) A seine lead must be at least 25 fathoms long, but may not exceed 150 fathoms in length.

5 AAC 11.341. VESSEL LENGTH. Repealed.

5 AAC 11.342. VESSEL LENGTH. A vessel used for setnet fishing may not exceed 29 feet in overall length.

5 AAC 11.350. CLOSED WATERS. Repealed.

5 AAC 11.351. CLOSED WATERS. The waters specified in 5 AAC 39.290 are closed to salmon fishing.

5 AAC 11.370. REGISTRATION. Repealed.

5 AAC 11.371. REGISTRATION. An Atka-Amlia Islands Area seine and setnet permit holder shall register himself or herself and each vessel that the permit holder will use by contacting a department area management biologist in Dutch Harbor, Cold Bay, Sand Point, or other place specified by the department, at least 48 hours before the season opens or before beginning commercial fishing.

APPENDIX F:
METHOD FOR ESTIMATING ESCAPEMENTS

Appendix F1.—Method for calculating indexed total escapement.

Unusual circumstances may cause occasional deviation, but basically the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

Chinook, Sockeye, Coho: These species tend to have a much longer stream life than pink and chum salmon. Therefore, the indexed total escapement is usually the peak escapement count. Carcasses are included. However, it is recognized that there are problems in large systems such as Ilnik and Caribou-David's Rivers. The basic problem on large systems is the length of time, expense, and fuel needed to do a thorough survey yet meet more pressing obligations.

The Caribou and David's River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys will probably never be done.

At Thin Point Lagoon and Lake, estimates of sockeye in the lagoon are added together based on estimated time in lagoon, condition, and observations of when sockeye start to move from the lagoon to the lake.

In Morzhovoi (Middle Lagoon), Bluebill, Outer Marker, and Mortensen's Lagoon systems the escapement is calculated by adding estimates of spawning sockeye together with a span of about two weeks between surveys.

Pink and Chum Salmon: An approximate 21-day stream life is used to calculate total pink and chum escapements. Fish in saltwater during the final survey are added into the escapement estimate:

EXAMPLE

Survey Date	Pink	Chum	Fish at Mouth
July 10	5,000	0	5,000 P
July 17	25,000	0	10,000 P
August 1	100,000	0	10,000 P
August 15	150,000	0	12,000 P
			1,000 CH
September 1	150,000	5,000	2,000 CH
Estimated Total	255,000	7,000	

Note: The indexed total escapement calculated by adding the figures in **bold**.

The estimate of 21 days stream life was used because significant numbers of carcasses seem to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems of streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With several exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

APPENDIX G: FIELD PERSONNEL

Appendix G1.–Field personnel list, 2004.

Employee	Title (PCN)	Duties and Location
Arnie Shaul	FB III (11-1033)	Area Management Biologist for salmon in the Aleutian Islands, western part of Alaska Peninsula Area and Cinder River Section, Cold Bay
Bob Murphy	FB III (11-1407)	Herendeen Bay to Port Heiden Salmon Management Biologist, North Peninsula Herring Management Biologist, Port Moller. In charge of salmon AWL data
Charles Burkey Jr.	FB III (11-1021)	Southeastern District-Alaska Peninsula Area Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Herring Management Biologist, Sand Point
Joe Dinnocenzo	FB II (11-1833)	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay
Switgard Duesterloh	FBII (11-1275)	Southeastern District-Alaska Peninsula Area Assistant Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Assistant Herring Management Biologist, Sand Point
Heather Finkle	FB II (11-1273)	Salmon Research Biologist
Steve Hakala	Pilot I (11-1415)	Pilot, Sand Point
Paul Horn	Pilot I (11-1838)	Pilot and Aircraft Mechanic, Chignik
Philip Tschersich	FB I (11-1352)	Bear Lake Weir, Port Moller Management
Tracy Murtha	FB I (11-1433)	Port Moller Salmon Research/Management
Steve Krueger	FB I (11-1911)	Nelson River Weir
Andy Probasco	FT III (11-1962)	Sandy River Weir
Jason Manthey	FT III (11-5305)	Ilnik River Weir
Abe Shryock	FT III (11-1416)	Orzinski Weir, Shumagin Test Fishing
Philip Fyfe	FT III (11-1849)	Sand Point Fish Ticket Clerk
Andy Padilla	FT II (11-1342)	Orzinski Lake Weir
Matt Dias	FT II (11-1957)	Nelson River Weir
Meesha Murphy	FT II (11-1953)	Port Moller Salmon Research/Management
Ihuhi Schimetzka-Tesch	FT II (11-5256)	Ilnik River Weir
Justin Smith	FT II (11-1959)	Sandy River Weir
Adelia Myrick	FT II (11-1521)	Bear Lake Weir